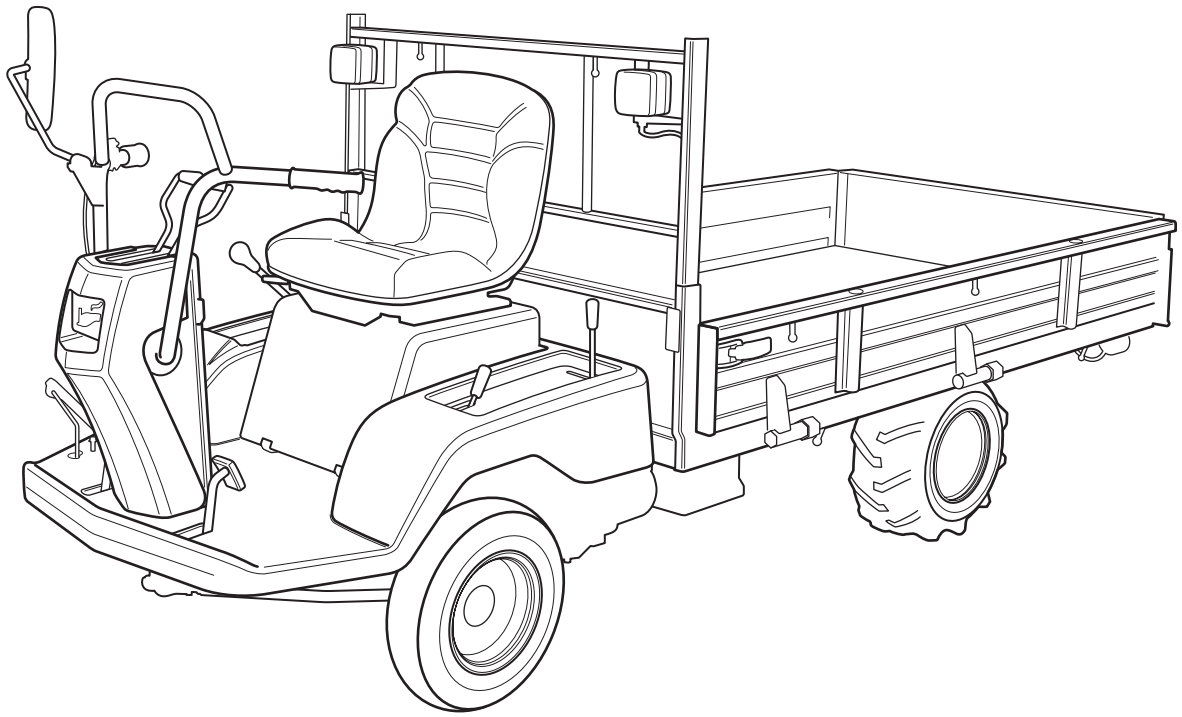
CANYCOM

4 - Wheel Utility Vehicle

J 66

Operator's Manual



⚠WARNING!

Read this manual completely before operating or maintaining this machine. Failure to follow safety precautions could result in serious injury or death. Keep this manual for future reference by you and by all those who operate and maintain this machine.

3729 6102 000

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Authorized Dealer

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Notice to Users and Maintenance Personnel

Thank you for purchasing this machine.
This manual provides information needed for safe and effective use of this machine to those who operate or maintain this machine. Make sure to read and understand this manual thoroughly before operating this product. Also make sure to read the separate operator's manual for the engine.

⚠WARNING!

- **This machine can be very dangerous if the safety precautions in this manual and on the labels attached to this machine are not followed. Read and understand this manual and the safety labels on the machine thoroughly before using this machine. Always follow the instructions and safety precautions, or serious injury or death could result.**

- **This machine should only be used for its intended purpose: hauling and dumping. Any other use could be dangerous.**

- **This machine may not be operated on public road or what is considered to be public road. It is the sole responsibility of the operator to consult the local regulations.**

- **Do not modify this machine, or do not operate this machine with safety covers removed or open. A serious accident could result.**

⚠CAUTION!

- **Store this manual in a safe, accessible place for easy reference.**

NOTE

- **This machine is intended for off-highway use. It is user's sole responsibility to check with the local authority if this machine can be operated on public roads.**

Notice to Owner

⚠CAUTION!

- **Be sure that everyone who uses this machine, including those who rent or lease this machine, receives a copy of this Operator's Manual and understands the importance of reading and following the information in this manual.**

Warning Terms Used in this Manual

In this manual, the following four warning terms are used to signal the four levels of hazard (or seriousness of possible accidents). Read and understand what they mean and always follow the instructions in this manual.

Warning Term	Definition
⚠DANGER!	**Indicates an imminently hazardous situation which will result in death or serious injury if the user does not follow the procedures or the instructions.**
⚠WARNING!	**Indicates a potentially hazardous situation which could result in death or serious injury if the user does not follow the procedures or the instructions.**
⚠CAUTION!	**Indicates a potentially hazardous situation which could result in minor to moderate injury or damage to the machine if the user does not follow the procedures or the instructions.**
NOTE	**Indicates important information which needs particular attention.**

Warranty and After-Sales Service

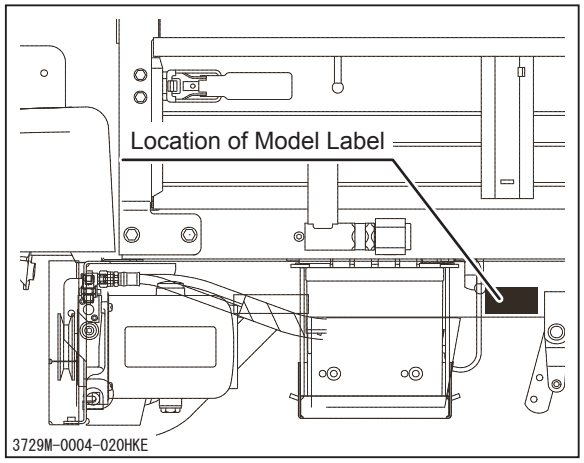
Warranty

CHIKUSUI CANYCOM, INC. provides a warranty through your local CANYCOM dealer.

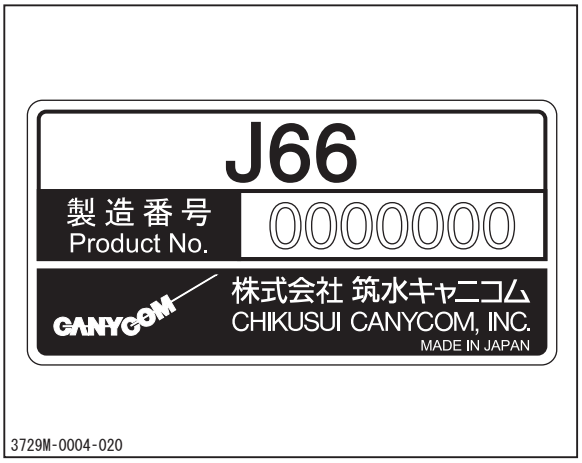
After-Sales Service

Consult your local CANYCOM dealer or our company's sales department regarding service orders or any questions or problems that may arise when using this machine. Please make sure to have the product name, serial number, and the make and type of engine handy at the time of contact. The model and serial number can be found on the model label as shown below, and the make and type of engine can be found in Chapter 3 **"Specifications"** of this manual (Page12).

Location of Model Label



Model Label



Availability of Spare Parts

The replacement or repair parts for this product shall remain available for seven years after the production of this type of machine is discontinued.

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Warranty Certificate is attached at the end of this manual.

* Have the warranty certificate signed and sealed after you have received and fully understood the instructions for handling this machine and received the receipt.

- Operator's Manual for the Engine

* Be sure to read and understand it together with this manual .

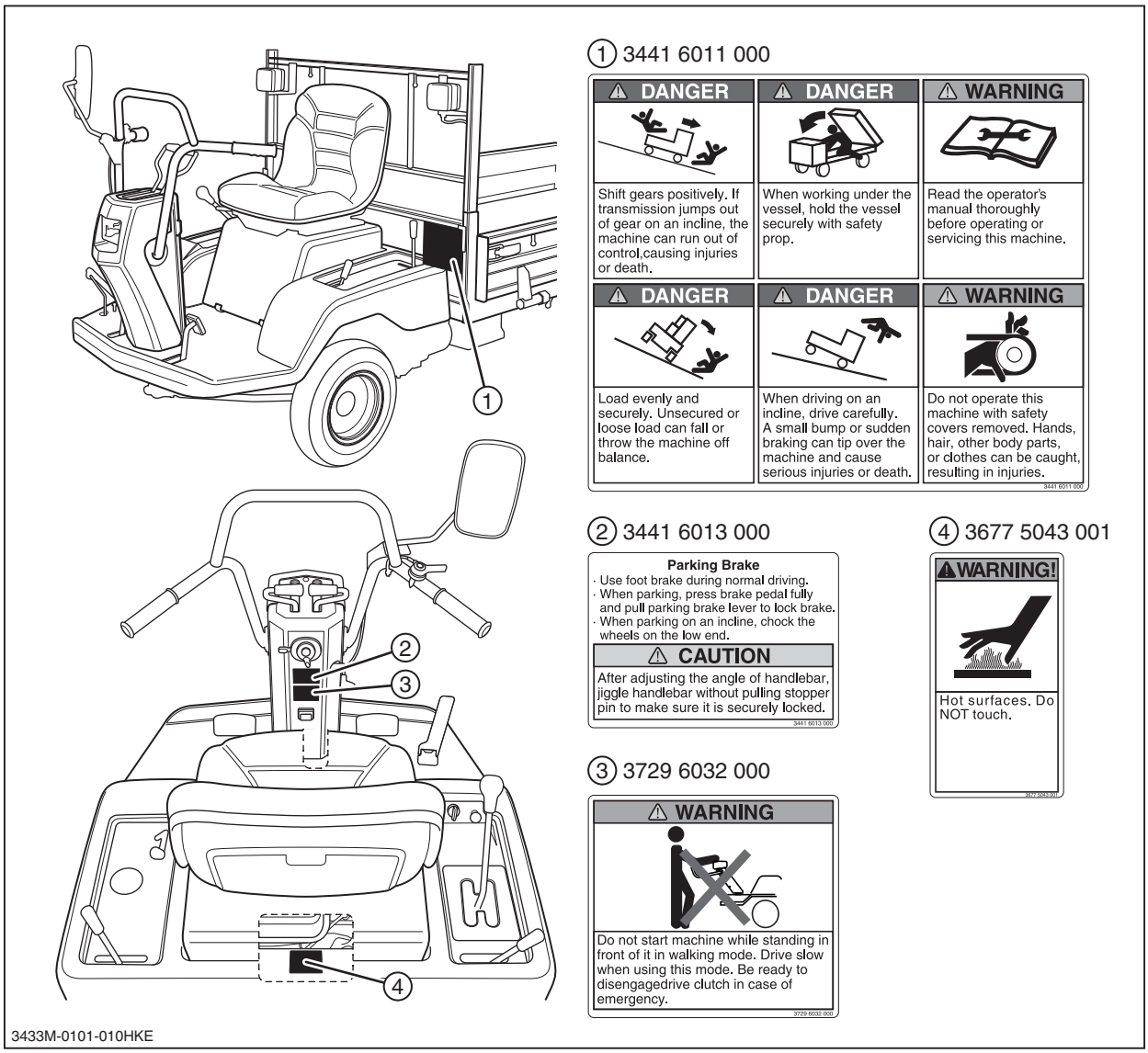
Safety Labels

The safety labels shown below are attached to the machine. See the illustration for the location and the content of each label on the machine.

- **Locate all the warning labels attached to this machine. Read and follow the instructions and precautions in them. Failure to do so could result in serious injury or death to the operator or bystanders.**

- **Keep the labels clean and legible. Do not use solvents or gasoline to clean the labels.**

- **Replace these labels immediately if they have been removed, have fallen off or become illegible. Use the part number, on the label or shown in this manual, to order a replacement label from your CANYCOM representative.**



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① 3441 6011 000

⚠ DANGER	⚠ DANGER	⚠ WARNING
Shift gears positively. If transmission jumps out of gear on an incline, the machine can run out of control,causing injuries or death.	When working under the vessel, hold the vessel securely with safety prop.	Read the operator's manual thoroughly before operating or servicing this machine.
⚠ DANGER	⚠ DANGER	⚠ WARNING
Load evenly and securely. Unsecured or loose load can fall or throw the machine off balance.	When driving on an incline, drive carefully. A small bump or sudden braking can tip over the machine and cause serious injuries or death.	Do not operate this machine with safety covers removed. Hands, hair, other body parts, or clothes can be caught, resulting in injuries.

3441 6011 000

② 3441 6013 000

Parking Brake

- Use foot brake during normal driving.
- When parking, press brake pedal fully and pull parking brake lever to lock brake.
- When parking on an incline, chock the wheels on the low end.

⚠ CAUTION

After adjusting the angle of handlebar, jiggle handlebar without pulling stopper pin to make sure it is securely locked.

3441 6013 000

③ 3729 6032 000

⚠ WARNING

Do not start machine while standing in front of it in walking mode. Drive slow when using this mode. Be ready to disengagedrive clutch in case of emergency.

3729 6032 000

④ 3677 5043 001

⚠WARNING!

Hot surfaces. Do NOT touch.

Safety Precautions

This section contains safety precautions to follow when operating and maintaining the machine. Read and understand the precautions in this section as well as throughout this manual and follow them when operating or maintaining the machine. Failure to follow safety precautions could result in property damage, serious injury or death to the operator or bystanders.

Training

All operators should be familiar with the following issues when using this machine. In case the machine is used by a hired worker or is rented, the employer or renter shall give practical instructions covering the following issues to the user.

- **It is essential to familiarize yourself with the controls, safety labels and proper use of the machine.**

- **Never allow people unfamiliar with these instructions to operate or service the machine. Do not let anyone under 18 years of age to operate this machine. Local regulations may restrict the minimum age for operating a machine. Consult your local authority.**

- **This machine has a riding capacity of one person only. Do not carry passengers other than the operator.**

- **The operator is responsible for the accidents or hazards caused to other people or their property.**

- **Always keep in mind that care and concentration is required when working with a load-carrying machine.**

- **Loss of control on a slope cannot be regained by the application of brake. Main reasons for the loss of control are:**

→ insufficient grip of tires.
→ excessive speed.
→ misjudging of the ground conditions, especially inclination.
→ excessive load.
→ incorrect distribution of load.

Preparation

- **Always wear protective footwear, long trousers, hardhat, safety glasses and ear protection when operating or servicing a machine. Proper clothing will minimize the chance of injury. Do not operate a machine if you have long hair, loose clothing, or jewelry; all of which can get tangled in moving parts. Do not operate a machine barefoot or with open sandals.**

- **Prepare beforehand the working rules and procedures such as signaling and traffic control for the work place. Following such rules will reduce the risk of accidents.**

- **Perform daily pre-startup inspection (see Preparation, page 15) before starting the machine. Repair or replace damaged parts before starting the machine.**

- **Fuel is highly flammable. See Checking and Filling Fuel, page 15, for important safety information on handling fuel; keep fire and spark away. Stop the engine when refueling.**

- **Never handle oil or grease, service engine, or recharge battery in the presence of fire or spark.**

Operation

This machine is intended for off-highway use. It is user's sole responsibility to check with the local authority if this machine can be operated on public roads.

This machine is intended for carrying grains, produce, dirt and similar materials. Carrying other objects may damage the machine. Do not carry liquid concrete; carrying liquid concrete may damage the machine.

The stability of the machine is affected by speed, rate of steering, terrain and load. Always pay close attention to these factors or loss of control or tipping over could occur, resulting in property damage, serious injury or death.

General Driving

- Do not operate engine in a confined space where dangerous carbon monoxide fumes can accumulate.
- Do not touch the engine, muffler or exhaust pipe while the engine is running or soon after it has stopped. These areas will be very hot and can cause burns.
- Do not operate the machine under the influence of alcohol or drugs. Do not operate the machine when you are tired, ill, or not fit to operate the machine.
- Before starting the engine and moving the machine, scan around your surroundings and make sure all persons and other vehicles are a safe distance away from the machine.
- Never operate on terrain that you are not comfortable with. Avoid terrain that is so rough, slippery or loose that you feel that the machine could tip over.
- Always check for obstacles before operating on new terrain.
- Always travel slowly and use extra caution when operating on unfamiliar terrain. Be alert when traveling on changing terrain.
- Drive at a safe speed, taking into account surface gradient, surface conditions and load.
- Do not make sudden maneuvers. Sudden start, stop, or turn can make the machine lose control and could cause a tip over. Be especially cautious when traveling on soft or wet ground.
- Never drive the machine with its bed in lifted or raised position. Make certain that bed is in the lowest and locked position when driving.
- On a slippery surface, travel slowly and exercise caution to reduce the chance of skidding or sliding out of control. Never operate on ice.
- Always make certain that there is no obstacle or person behind the machine when backing up. Make certain that it is safe to back up, then move slowly and avoid sharp turns.

- **To reduce the risk of tipping over, pay special attention when encountering an obstacle or a slope, or when braking on a slope or during a turn. See Driving on a slope below.**

- **Never attempt to drive over a large obstacle such as rock or fallen tree.**

- **Do not operate the machine near the edge of a cliff, an overhang or a landslide area.**

- **Use an observer to help direct the machine when visibility is poor, terrain is rugged or hilly, or maneuvering room is limited. An observer should be able to see the machine and its immediate surroundings, and should give pre-arranged signals to direct the operator.**

Driving on a Slope

- **Driving on a slope can be dangerous. It can result in a tip over and cause serious injury or death. Always follow proper procedures for driving on a slope as described in this manual.**

- **When carrying no load, do NOT use the machine on a slope steeper than 25 degrees. When carrying a load, observe the load limit according to the inclination (see Loading and Driving with the Load, page 6.) Do not lift or dump on a slope.**

- **Driving on a slope in a wrong manner can cause a loss of control or a vehicle tip over. Check terrain carefully before attempting to drive on a slope.**

- **Never drive on a slope that you are not comfortable with. Avoid a slope that is so rough, slippery, or loose that you feel that the machine could tip over.**

- **When driving down a slope, stop and shift to the low gear. Go down at a reduced speed. Use engine speed to help keep the machine speed low.**

- **When driving up a slope, proceed at a steady rate of speed and throttle position.**

- **Never move the throttle lever or operate side clutch suddenly.**

- **Drive straight up or down a slope. Avoid turning on a slope. Avoid driving the machine across a slope.**

- **If the engine stalls or loses traction during a climb and cannot make it to the top of a slope, do not try to turn the machine around. Carefully back down slowly, straight down a slope.**

- **When going over the top of a slope, go slow; an obstacle, a sharp drop, or another vehicle or person could be on the other side of the crest.**

- **Without a load, drive the machine forward up a slope when climbing, and drive it backward when going down a slope.**

- **With a load, drive the machine backward up a slope when climbing, and drive it forwards when going down a slope. Be especially cautious when operating on a slope with a load.**

Loading and Driving with a Load

- **The maximum payload for this machine is 600kg. Do not exceed this maximum payload under any circumstance.**

- **Do not operate on a slope steeper than 15 degrees when carrying a load. Do not carry more than 300kg when operating on a slope between 10 and 15 degrees.**

- **Place a load in the bed so that the weight is evenly distributed. When carrying a load, strap it to the bed to prevent it from shifting. Ensure that the load does not obstruct the operator's field of view.**

- **When carrying a load, drive at a reduced speed. Allow greater distance for braking.**

- **Before crossing a bridge or an overpass, make certain that the total combined weight of the machine, load and operator is within the stated weight limit of the bridge or the overpass. Then, proceed carefully and at a constant speed.**

Dumping

When dumping material from the bed (skip), take the following precautions.

- **Always follow the proper procedures for lifting and dumping as described in this manual.**

- **Perform dumping operation on a flat, level and stable surface. Do not dump on a slope or on a rough terrain.**

- **Make certain that all persons are at a safe distance away from the machine when raising or lowering bed.**

- **Do not move the machine or leave it unattended with bed in the raised position.**

- **Engage the bed lock plate or safety prop if you must place any part of your body under the bed in the raised position. On the dump model, never place any part of your body underthe bed in the raised (dump) position.**

Parking

- **Park the machine on a flat, level and stable surface. Do not park in a dangerous place. Never park the machine on a slope steeper than 10 degrees. Avoid parking on a slope less than 10 degrees. If parking on a slope less than 10 degrees is unavoidable, chock the tires at the lower end of the machine.**

→ Without a load, park the machine with the operator's handle uphill
→ With a load, park the machine with the operator's handle downhill
→ Do not park sideways on a slope.

- **Observe all the previous precautions for general driving, riding machine, driving on a slope, loading and driving with a load, and dumping.**

- **Whenever you park the machine, disengage the clutch and stop the engine.**

- **Gasoline is highly flammable and can be explosive. When parking the machine indoors, make certain that the building is well ventilated and that the machine is not close to any source of flame or spark, including appliances with pilot lights.**

Servicing

- **Do not service the machine when the engine is running. If it is absolutely necessary to run the engine while servicing, keep hands, feet, clothing and any part of the body away from any moving part, especially the belts at the side of the engine.**

- **Do not operate the engine in a confined space where dangerous carbon monoxide fumes can accumulate.**

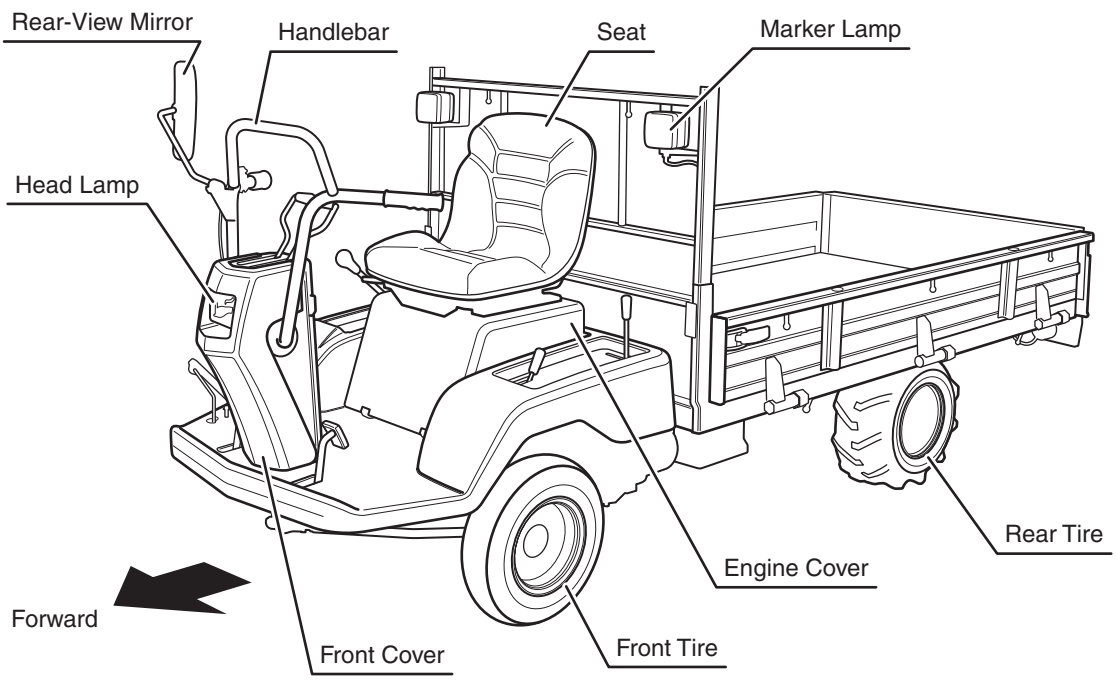
- **Engage bed (skip) lock plate or safety prop if you must place any part of your body under bed in the raised position. On the dump model, never place any part of your body under bed in the raised (dump) position.**

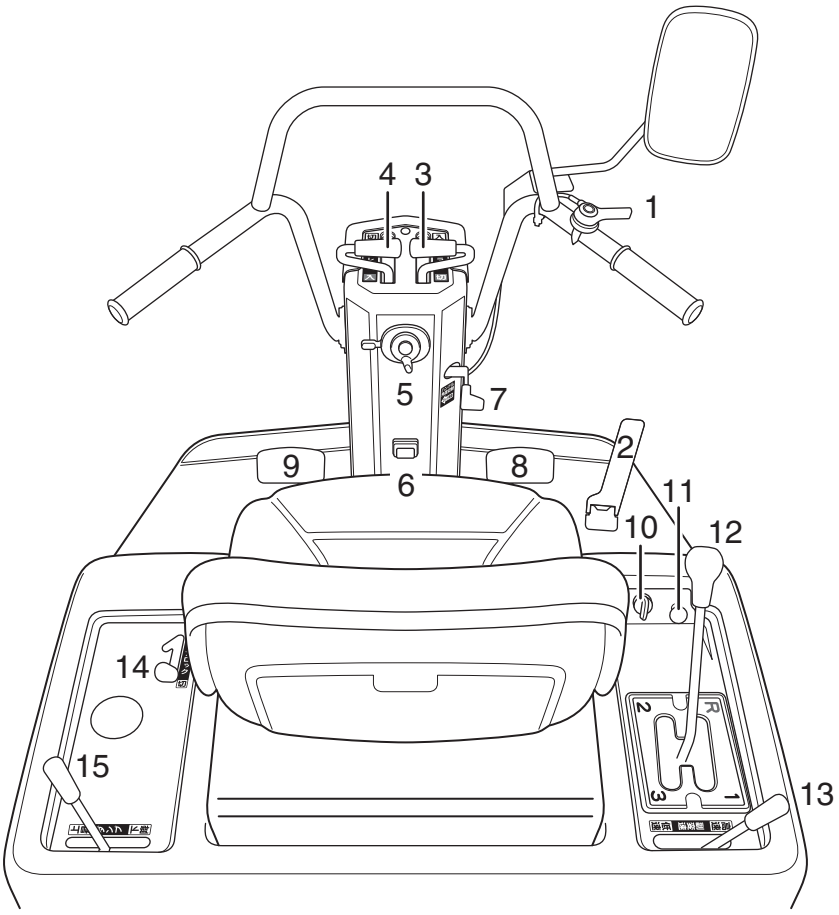
- **Check all fuel lines on a regular basis for fit and wear. Tighten or repair them as needed.**

- **Do not touch the engine, muffler, or exhaust pipe while the engine is running or soon after it has stopped. These areas will be very hot and can cause burns.**

- **The engine must be shut off before checking or adding oil.**

Name and Function of Controls





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2 Controls and Components

1 Throttle Lever . . . . . Throttle Lever or pedal is used to control engine speed.
2 Throttle Pedal

3 Drive Clutch Lever . . . . . Drive Clutch Lever is used to engage or disengage the drive clutch. Shift the lever to [ON] to engage and [OFF] to disengage the drive clutch.

4 Parking Brake Lever . . . . . Parking Brake Lever is used to engage the brake in order to park the machine securely. Shift the lever to [ON] to engage and [OFF] to disengage.

5 Combination Switch. . . . . Combination switch is used to turn on or off the head lamp and marker lamps, and activates the horn.

6 Hazard Lamp Switch . . . . . Hazard lamp switch is used to flash the marker lamps in case of a hazard.

7 Handlebar Adjust Lever . . . Handlebar Adjust Lever is used to change the angle of the handlebar. Pull the lever to unlock the handlebar in order to adjust the angle.

8 Brake Pedal. . . . . Brake pedal is used to reduce the speed or stop the machine.

9 Clutch Pedal . . . . . When the drive clutch lever is [ON], pressing the clutch pedal disengages and releasing it engages the clutch.

10 Main Switch . . . . . Main Switch is used to start or stop the engine.

11 Choke Lever . . . . . Choke Lever is used to help start the engine by closing the choke valve.

12 Shift Lever. . . . . Shift Lever is used to shift gears.

13 Auxiliary Transmission Lever . . . . Auxiliary Transmission Lever is used to shift gears in the auxiliary transmission.

11 Differential Lock Lever . . . . Differential Lock Lever is used to lock the differential gear when rear wheels slip.

12 Dump Lever . . . . . Dump lever is use to raise or lower the bed (skip).

3 Specifications

Product Specifications

⚠CAUTION!

· Use this product properly after understanding its specifications thoroughly.

Model and Type				J66	J66D
				Flat Bed	Dump
Machine Mass			kg	325	370
Maximum Payload			kN (kgf)	5.9 (600)	
Dimensions	Overall Length		mm	2980	
	Overall Width		mm	1185	
	Overall Height		mm	1250	
	Track Contact Length		mm	1545	
	Tread	Front	mm	880	
		Rear	mm	780	
	Ground Clearance		mm	125	
	Loading Deck Height		mm	490	
Loading Deck	Type			Folding Gate Flat Bed	
	Inside Dimensions	Length	mm	1845	
		Width	mm	1080	
		Height	mm	230	
Engine	Model			Mitsubishi GB180	
	Type			Air-cooled 4-cycle gasoline, single cylinder	
	Cylinder (Bore×Stroke)		mm	68×50	
	Displacement		cm^3 (cc)	181 (181)	
	Rated Output		kw(PS)/rpm	4.6 (6.3)/2000	
	Maximum Torque		N•m(kgf•m)/rpm	23.1 (2.36)/1400	
	Starter System			Electric	
	Fuel			Automotive Unleaded Gasoline	
	Fuel Consumption		g/kW•h(g/PS•h)	320 (235)	
	Fuel Tank Capacity		L	3.6	
	Oil Capacity		L	0.6	
	Ignition System			Electronic	
	Spark Plug			NGK BPR6HS	
Electrical	Battery Type			40B19R	
	Voltage		V/AH	12 /28	
	Head Lamp Capacity		V/W	12 /23	

Model and Type				J66 Flat Bed	J66D Dump
Performance	Speed	Lo Fwd 1st	km/h	1.36	
		Lo Fwd 2nd	km/h	2.64	
		Lo Fwd 3rd	km/h	4.84	
		Lo Rev 1st	km/h	1.36	
		Hi Fwd 1st	km/h	3.66	
		Hi Fwd 2nd	km/h	7.12	
		Hi Fwd 3rd	km/h	13.08	
		Hi Rev 1st	km/h	3.66	
	Minimum Turning Radius		m	2.3	
	Gradeability		Degrees	15 (unloaded)	
	Max.Stable Angle of Gradient	Left	Degrees	30 (unloaded)	
		Right	Degrees	30 (unloaded)	
Drivetrain	Clutch			Belt Tension	
	Main Transmission			Gear Slide	
	Brake			Internally Expanding	
	Tire Size	Front	mm	HC 4.00 - 8 4PR	
		Rear		AG 17 x 8.00 -8 4PR	
	Transmission Oil Capacity		L	2.4	
	Aux. Transmission Oil Capacity		L	0.2	
Hydraulic System	System			-	One way Dump
	Pump Type			-	Gear Pump
	Rated Revolution		min−1（rpm）	-	1667(1667)
	Rated Discharge		L/min	-	7.4
	Relief Pressure		MPa(kgf/cm^2)	-	9.3(95)
	Cylinder (Bore X Stroke)		mm	-	60 x 200
	Hydraulic Fluid Capacity		L	-	1.6
	Dump Angle		Degrees	-	60
	Lift Speed (UP)		sec	-	approx. 4.6
	Lift Speed (DOWN)		Sec	-	approx. 2.5

*These specifications are subject to change without notice.

Contents of the Tool Bag

No.	Content	Quantitiy	Note
1	Operator's Manual	1	This Manual
2	Operator's Manual for the Engine	1	

Preparation

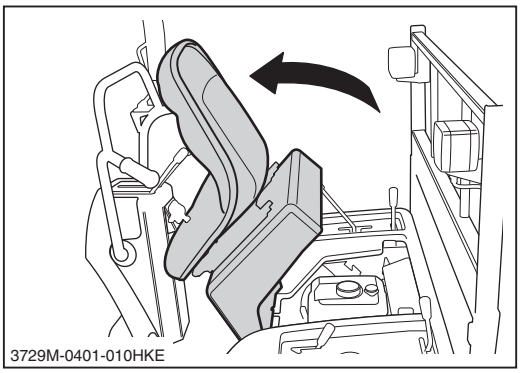
Pre-start up Inspection

Always perform an inspection before use.
Refer to **"Maintenance Schedule"** (page 33) for the inspection schedule and procedure.

Checking and Filling Fuel

⚠WARNING!

- **Keep fire and spark away when handling fuel.**
- **Always stop the engine before refueling.**
- **Do not overfill fuel so that fuel will not overflow. Check the fuel gauge when filling. In case fuel is spilt, wipe out immediately.**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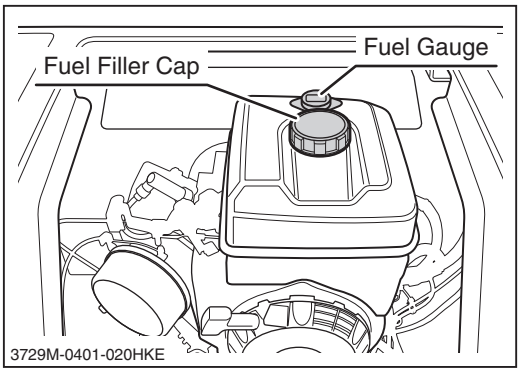
1. Open the engine cover.



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2. Check the fuel gauge. If fuel level is low, fill fuel.
3. Open the fuel filler cap and fill fuel.
4. Close the fuel filler cap securely.
5. Close the engine cover.

NOTE

- **Fuel : Automotive Unleaded Gasoline**
- **Fuel Tank Capacity: 3.6L**

Adjusting Handle Lever Angle

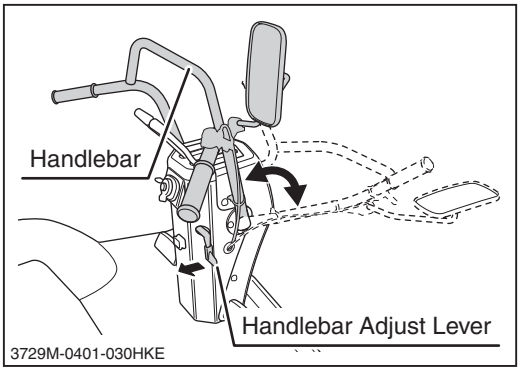
⚠WARNING!

• Set the handlebar to the position appropriate for its operation mode, i.e. walking operation or ride-on operation. Operating the machine with its handlebar in an inappropriate position may pose a hazard.

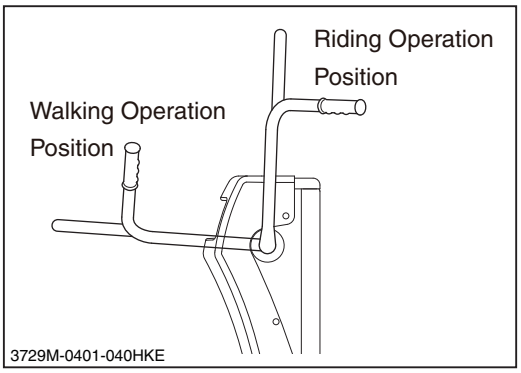
⚠CAUTION!

• Pinch hazard. Make certain that hands or fingers are not in the way to be caught when adjusting the handlebar angle.

• Make certain the handlebar is securely locked after adjustment. Move the handlebar back and forth to see if it is locked.



1. Pull the handlebar adjust lever and move the handlebar to a desired position.



2. The handlebar can be set to either Walking Operation Position or Riding Operation Position. Release the adjust lever and make sure the handlebar is locked.

Driving

Starting

⚠WARNING!

- **Always start and run the engine in a well ventilated place.**
- **Always start the engine from the operator's seat. Starting the engine while the operator is off the machine may result in the operator being hit or run over by machine.**
- **Always make certain of the safety of your surroundings when starting the engine.**
- **An engine that has been runnning is very hot. Avoid touching the engine and its ancillaries, or severe burns may result.**
- **Do not open the engine cover while the engine is running.**

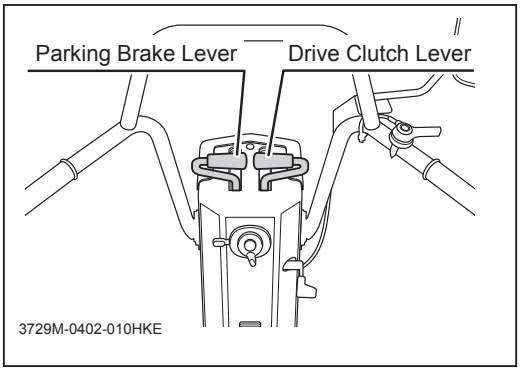
⚠CAUTION!

- **Do not turn the starter when the engine is running. The starter motor and/or the engine may be damaged.**
- **Do not turn the starter for more than 15 seconds. If the engine does not start, wait for 30 seconds or more before attempting to start again.**
- **Do not use this machine in temperatures above 40ºC or below -15ºC. This machine cannot perform adequately in these temperature ranges. Using this machine under such conditions may result in an accident or cause damage to machine.**
- **In the winter or cold climate, warm up the engine thoroughly before driving machine. A cold engine delivers poor performance, which may result in an accident. It also causes excessive wear.**

⚠CAUTION!

- **Do not use this machine in dusty places such as desert. Dust may clog the air cleaner or enter the engine, which may reslt in loss of performance and an accident. It also causes excessive wear.**

- **Do not use this machine in the altitude above 1500m in its original configuration. This machine cannot perform adequately above that altitude. Using this machine under such conditions may result in an accident or cause damage to the machine. If you need to use this machine above that altitude, contact your CANYCOM representative.**

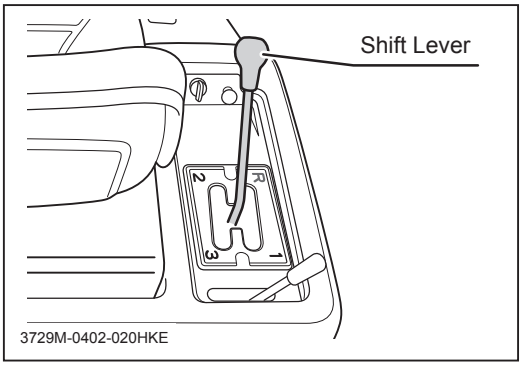


1. Make sure the drive clutch lever is in [OFF] position.

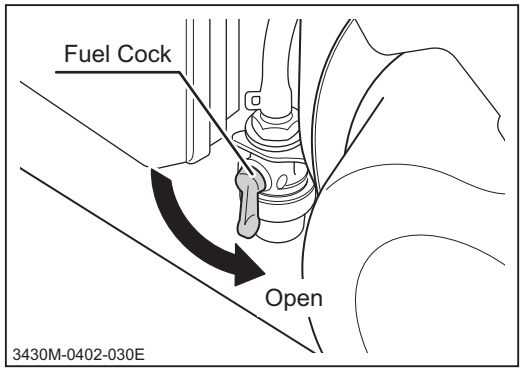
NOTE

- **The engine cannot be started unless the drive clutch is [OFF (disengaged)] due to the safety feature on this machine.**

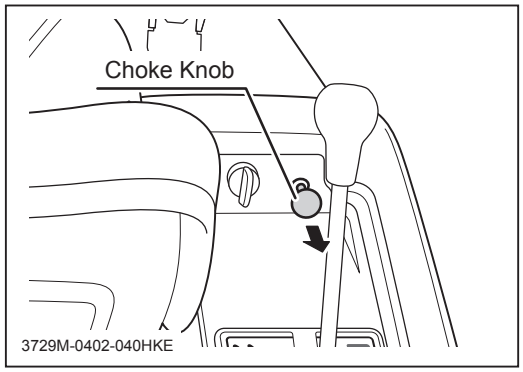
2. Make sure the parking brake lever is in [ON] position.



3. Make sure the shift lever is in [Neutral] position.



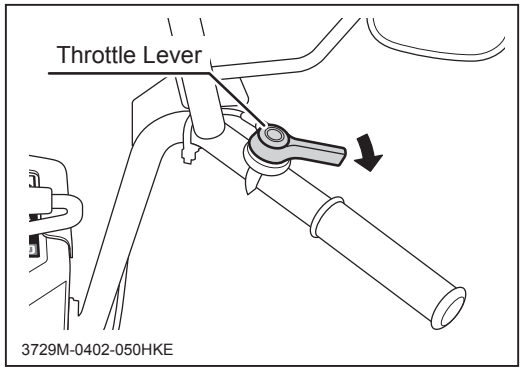
4. Open the engine cover and open the fuel cock.
5. Close the engine cover.



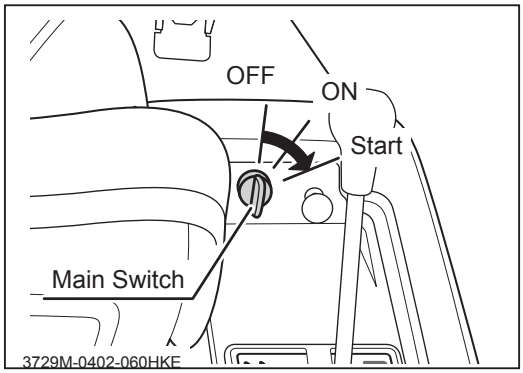
6. Pull the choke knob to [Close] position.

NOTE

- **It is not necessary to close the choke valve when the engine is already warm.**



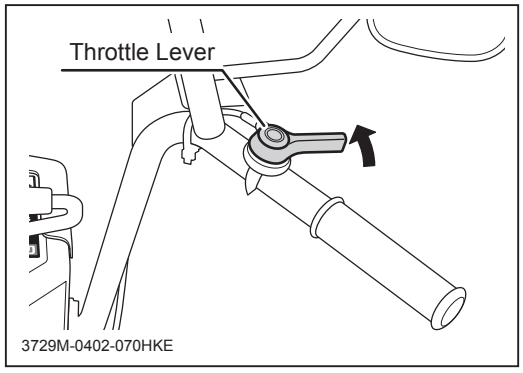
7. Move the throttle lever between [LO] and [HI] positions



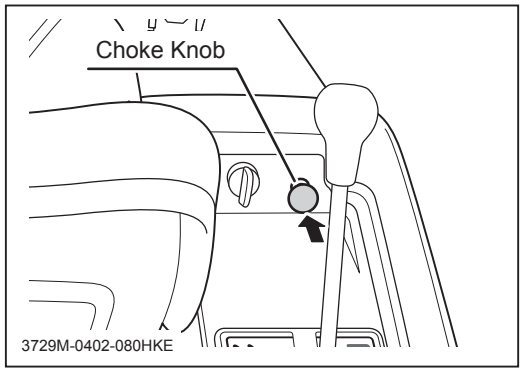
8. Turn the main switch to [Start] to start the engine. Let go of the switch immediately after the engine starts.

NOTE

- **Avoid frequent starting. Once the engine starts, run it for a while to charge the battery.**
- **When the engine cannot be started with the electric starter due to a flat battery, turn the main switch to [Start] position and start the engine with the recoil starter.**



9. Move the throttle lever toward [LO] after starting the engine.



10. Push the choke knob to its original position.
11 Run the engine for about 5 minutes without load to warm up.

NOTE

• Drive the machine gently in the first 40 to 50 hours of use after purchase for breaking-in.

Driving

⚠WARNING!

• Do not allow bystanders to come near the machine when driving.

• Set the handlebar in a proper position for the operation mode. Setting it to an improper position may hinder safe operation.

• Always make certain of the safety of your surroundings before driving; start slow. Adjust speed according to the condition and gradient of the surface on which you are traveling.

• Do not a make sudden start, acceralation, change of speed, change of direction, or stop. Do not turn at high speed. Avoid sudden maneuvers; this may cause the operator to fall or to be thrown, or the machine to tip over.

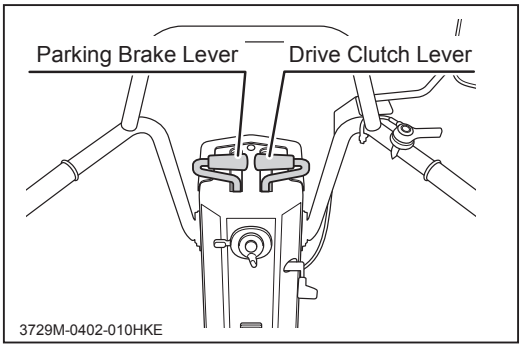
• Never drive the machine with its bed (skip) in lifted or raised position. Make certain that the bed is in the lowest and locked position when driving.

⚠WARNING!

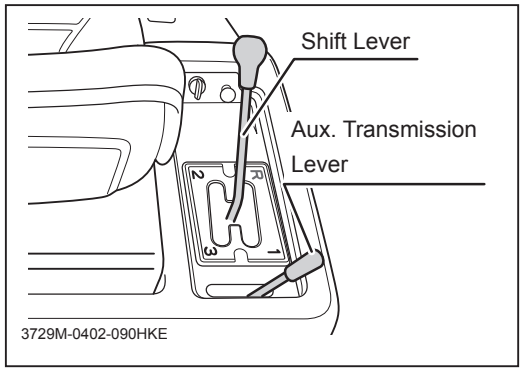
- **Shift the transmission to the low gear and drive slowly when traveling on a slope. Operator can be dragged or thrown, or the machine can tip over.**
- **Do not drive the machine across a slope. The machine can slip or tip over.**
- **Do not turn on a slope. The machine can turn the opposite direction, slip or tip over.**
- **Use an observer to help direct the machine when the visibility is poor, terrain is rugged or hilly, or maneuvering room is limited. The observer should be able to see the machine and its immediate surroundings, and should give pre-arranged signals to direct the operator.**
- **Do not turn the main switch to [Stop] position while driving.**

⚠CAUTION!

- **Pinch hazard. Make certain that hands or fingers are not in the way to be caught when operating the clutch lever.**



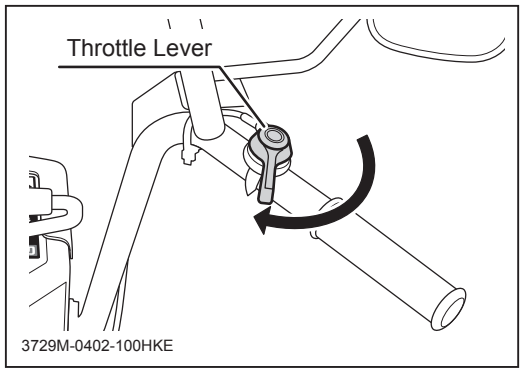
1. Make certain of the safety of your surroundings.
2. Make sure the drive clutch lever is in [OFF] position.
3. Make sure the parking brake lever is in [ON] position.



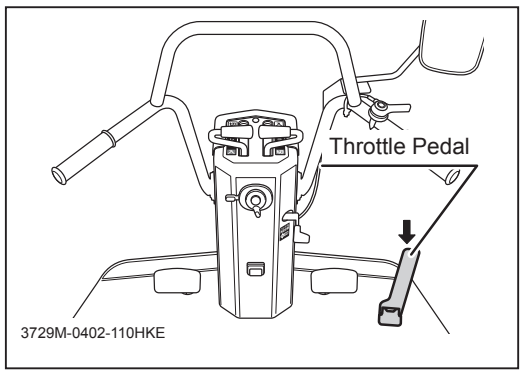
4. Move the Shift lever and auxiliary transmission lever into a desired position.

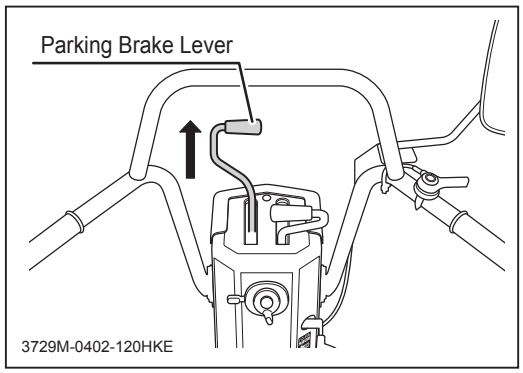
NOTE

- **Refer to "Product Specifications" (Page 12) for speed in each gear.**
- **Safety feature: when the handlebar is in the walking position (laid down forward), shift lever can not go into 2nd or 3rd gear.**



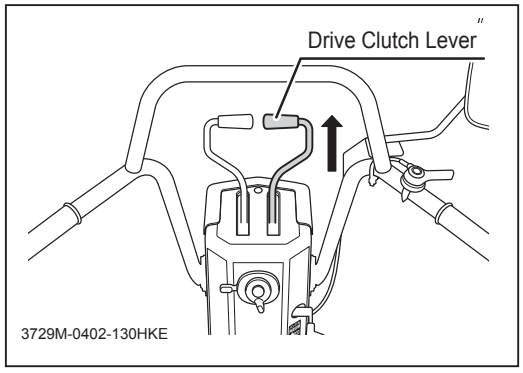
5. Move the throttle lever toward high speed to increase engine speed.





Operating with Levers

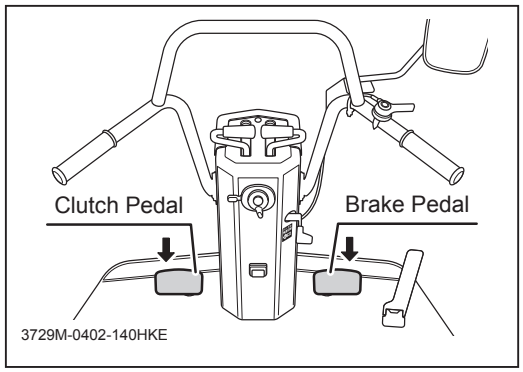
6. Move the parking brake lever to [OFF] position.



7. Move the drive clutch lever to [ON] position gently to start.

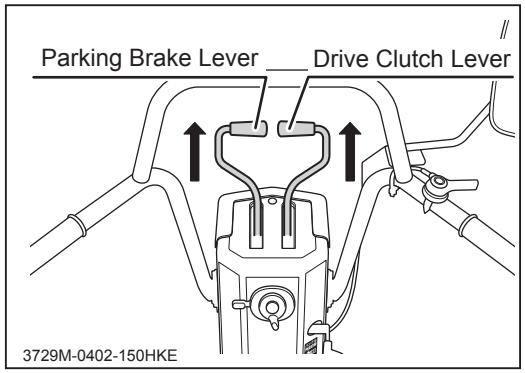
NOTE

- **Sudden engagement of the clutch may stall the engine.**
- **When driving on a slope, operate the parking brake lever and drive clutch lever simultaneously.**



Operating with Pedals

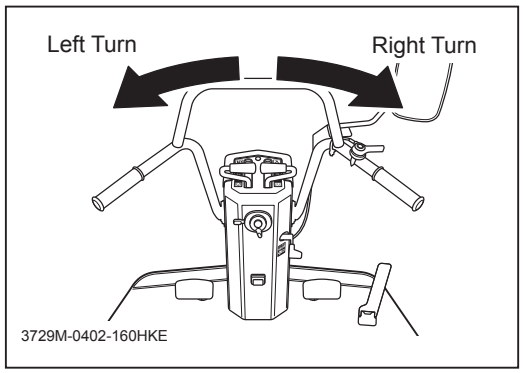
6. Press the brake and clutch pedals.



7. Move the parking brake lever to [OFF] position and the drive clutch lever to [ON].
8. Release the brake pedal and gradually release the clutch pedal to start gently.

NOTE

- **Sudden engagement of the clutch may stall the engine.**



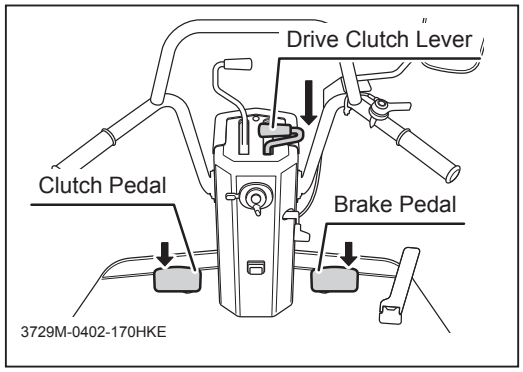
Turning

9. Steer the handlebar to turn.

Stopping

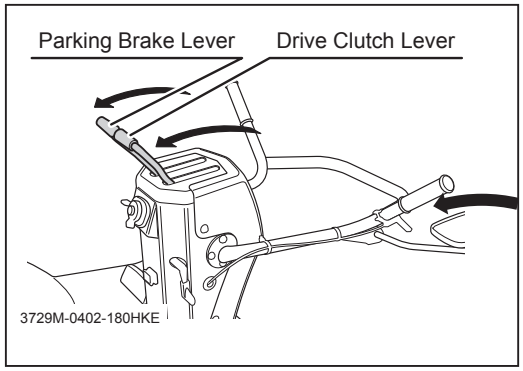
⚠WARNING!

- **Do not make a sudden stop. The machine may skid or tip over.**
- **Always park on a firm, level place. Never park on a potentially dangerous place.**



Riding Operation

1. Press the clutch pedal or move the clutch lever to [OFF].
2. Press the brake pedal to stop the machine.
3. To start moving again, release the brake pedal and engage the clutch pedal gently or move the drive clutch lever gently to [ON].



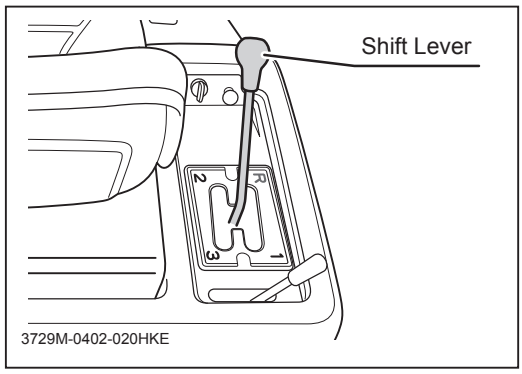
Walking Operation

1. Move the drive clutch lever to [OFF].
2. Move the parking brake lever to [ON] and stop the machine.

Shifting

⚠WARNING!

- **Always stop the machine to shift gears.**
- **Always shift gears firmly. When the transmission is not shifted firmly into a gear, it may jump out of that gear, resulting in loss of control of the machine.**
- **Always shift gear into 1st gear when in walking mode to avoid run over accident.**

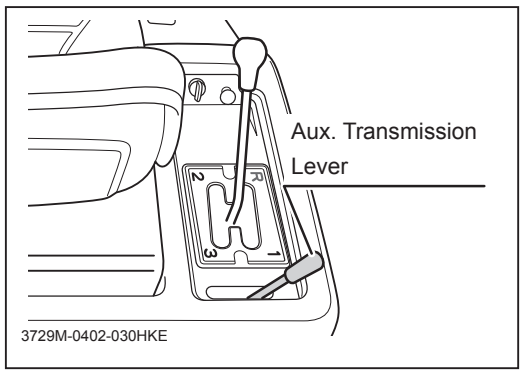


Main Transmission

1. Stop the machine.
2. Move the shift lever firmly into a desired position.

NOTE

- **Refer to "Product Specifications" (Page 12) for speed in each gear.**
- **Safety feature: when the handlebar is in the walking position (laid down forward), shift lever can not go into 2nd or 3rd gear.**



Auxiliary Transmission

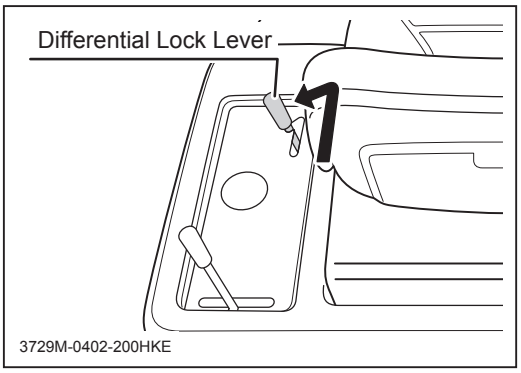
1. Stop the machine.
2. Move the auxiliary transmission lever firmly into a desired position.

Locking Differential

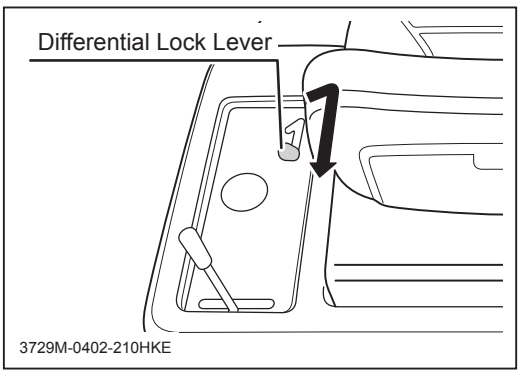
When the machine gets stuck on a slippery surface, its differential can be locked to minimize slipping and help the machine escape from the slippery surface.

⚠CAUTION!

- Always stop the machine to operate the differential lock lever. Operating the differential lock lever while the machine is in motion can damage the differential.
- Keep the differential lock in [OFF] position under normal running condition. The differential may be damaged.
- Do not turn the machine when the differential lock is in [ON] position.

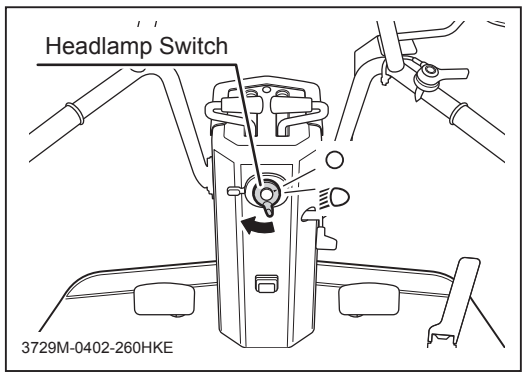


1. Move the differential lock lever to [ON] position.
2. Move the auxiliary transmission shift lever to [1] or [R] position.
3. Drive slowly out of the slippery area.



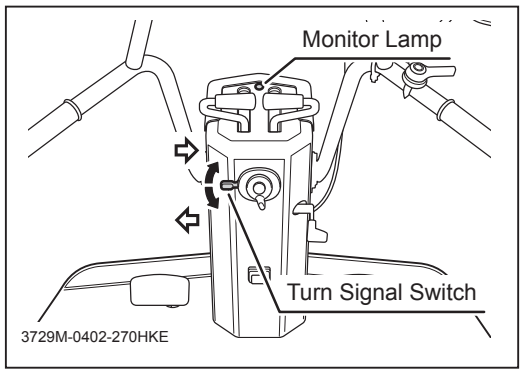
4. Once the machine is out of the slippery area, stop and move the differential lock lever to [OFF] position.

Using Combination Switch



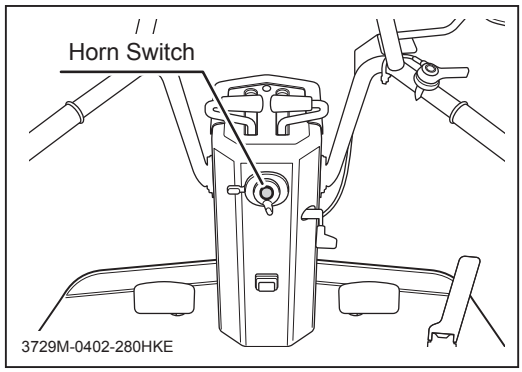
Headlamp, Marker Lamps

1. Move the headlamp switch to turn on or off the headlamp.
2. When the headlamp is on, the marker lamps turns on also.



Turn Signal

1. Move the turn signal switch to a desired side to activate the turn signal on the corresponding side.
2. When the turn signal is activated, the monitor lamp flashes also.



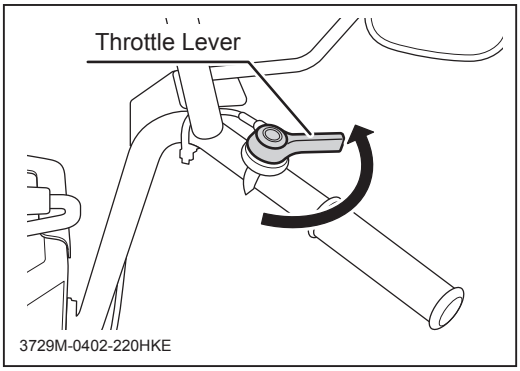
Horn

1. Press the horn button to activate the horn.

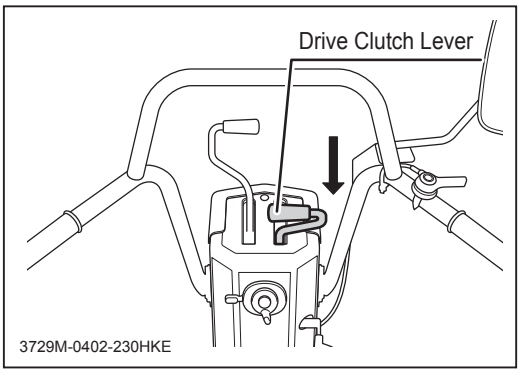
Parking

⚠WARNING!

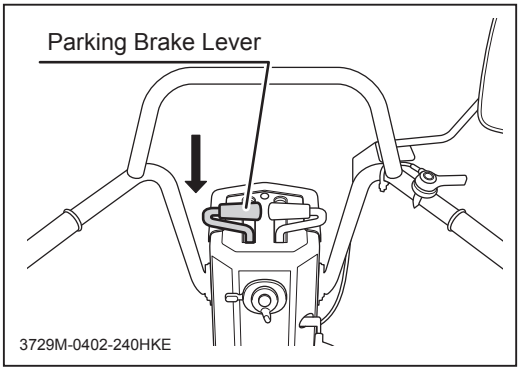
- **Always park on a firm, level ground. Never park on a potentially dangerous place.**
- **Avoid parking on a slope. Never park on a slope with an incline of 15 degrees or steeper. If it is absolutely necessary to park the machine on a slope less than 15 degrees, make certain to apply parking brake firmly and chock the tires on the lower end.**



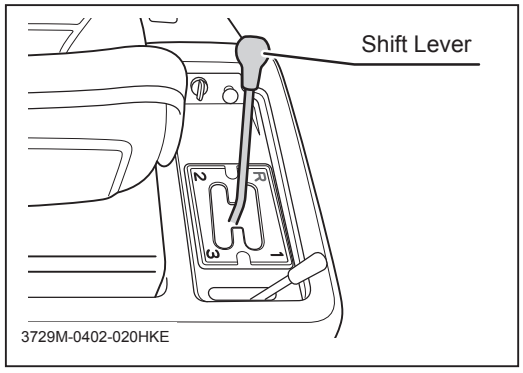
1. Stop the machine completely.
2. Move the throttle lever toward [Slow] position to decrease engine speed.



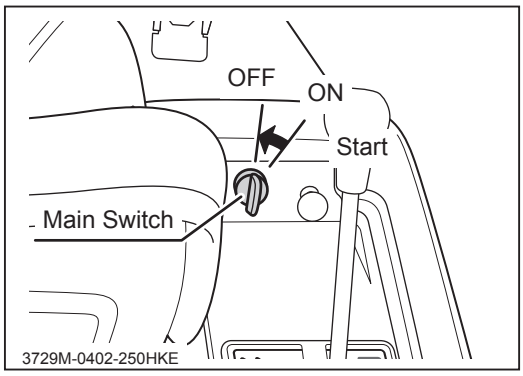
3. Move the drive clutch lever to [OFF] position.



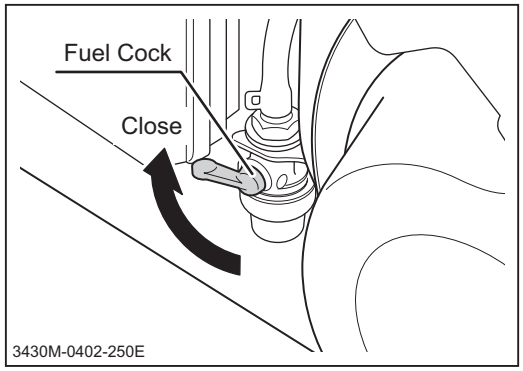
4. Move the parking brake lever to [ON] position.



5. Move the shift lever to [Neutral] position.



6. Turn the main switch to [OFF] to stop the engine. Remove the key from the main switch.



7. Open the engine cover and close the fuel cock .
8. Close the engine cover.

Working

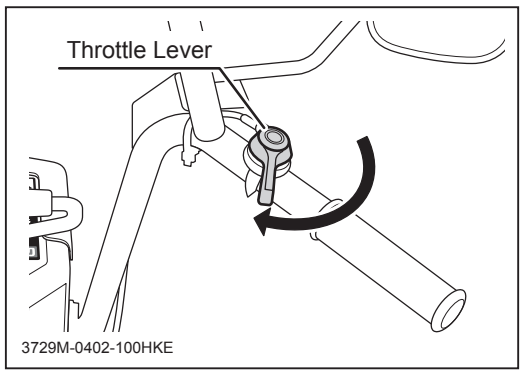
Dumping (Hydraulic Dump Model Only)

⚠WARNING!

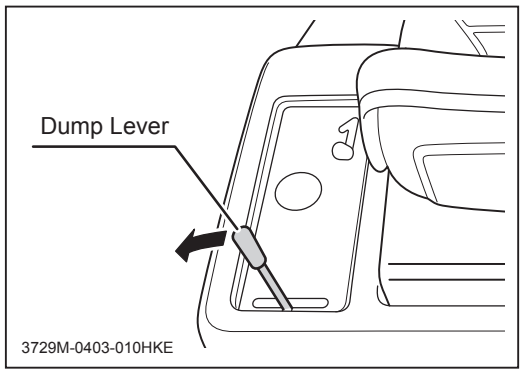
- **Always make certain of the safety of your surroundings when dumping.**
- **Never operate the dump off of the machine. This can cause the bed to hit or cruch the operator or bystander.**
- **Avoid dumping on a slope. The machine may tip over.**

⚠CAUTION!

- **Always run the engine when dumping.**
- **When lowering the bed, slow the engine speed and lower the bed gently.**

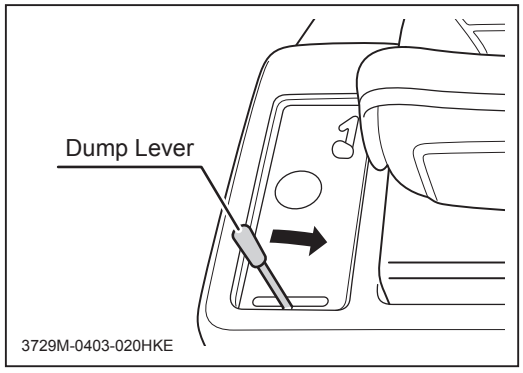


1. Move the throttle lever toward to [HI] to increase engine speed.



Raising Bed (Skip)

2. Move the dump lever toward [UP] position gently.
3. When the bed is raised to the upper limit, hissing noise is heard. Return the dump lever to neutral position immidiately.



Lowering Bed

4. Move the dump lever toward [DOWN] position gently.
5. When the bed is lowered to the lower limit, hissing noise is heard. Return the dump lever to neutral position immidiately.

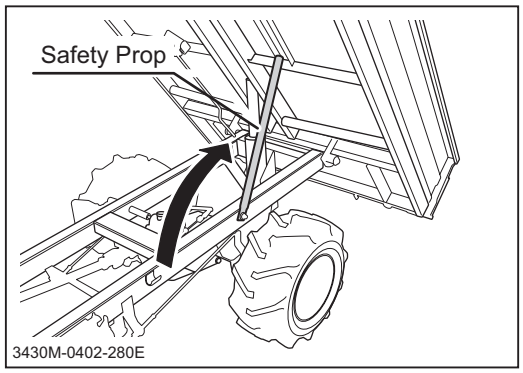
Using Safety Prop (Hydraulic Dump Model Only)

⚠WARNING!

- **Hold the bed with the safety prop when inspecting or working under loading deck.**

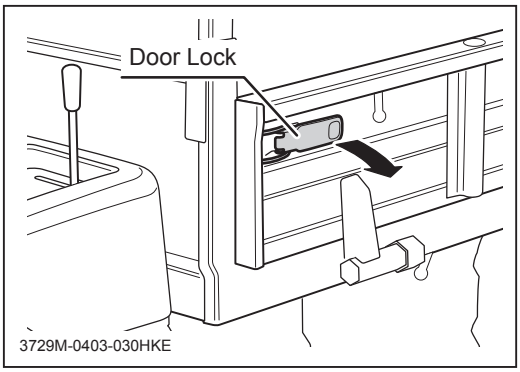
⚠CAUTION!

- **Make certain to undo the safety prop before lowering the bed.**

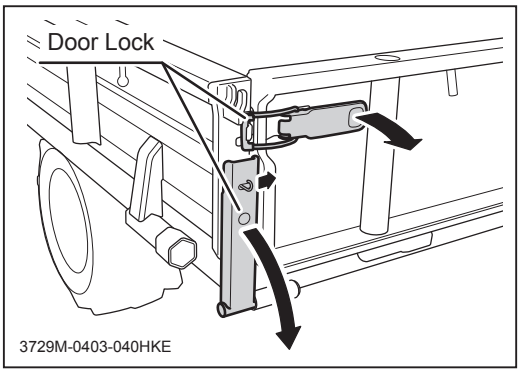


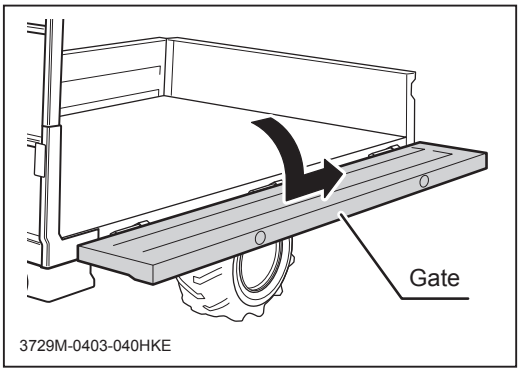
1. Raise the bed
2. Hold the bed firmly with the safety prop.

Using Side Gates and Tailgate

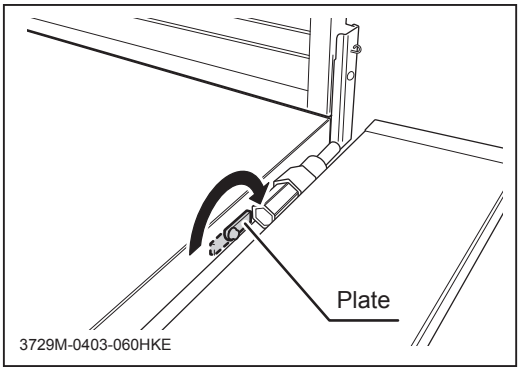


1. Undo the door lock.





2. Open the sidegate.
3. Once the sidegate is at the horizontal position, slide it to the rear to hold it in that position.



4. Open the tailgate.
5. Once the tailgate is at the horizontal position, slide it to the right to hold it in that position.
6. Loosen the bolt and flip the plate so that the tailgate stays in the held position.
7. Tighten the bolt to secure the plate.

Maintenance Schedule

⚠WARNING!

- **Follow the scheduled maintenance as described below. Failure to do so may result in mechanical or property damage, injury or death.**

Engine

Daily Inspection

- Fuel - not to be empty or dirty. no sediment or water in it.
- Air Cleaner Element - to be clean and free of damage.
- Engine Oil - to be clean and at the correct level.
- Bolts, Nuts, Fasteners - not to be loose or missing.
- Leaks - no fuel or oil leaks to be found.
- Sound, Vibration - no abnormal noise or excessive vibration.
- Overall - to be clean, without missing pieces.

Scheduled Maintenance

Hours used	Before use (daily)	25 hours	50-100 hours	100-300 hours
Check and tighten fasteners	○			
Check and fill oil	○			
Change oil		● (1st time only)	○	
Check fuel or oil leaks	○			
Check and clean air cleaner element	○			
Clean recoil starter	○			
Clean muffler and its cover	○			
Check and clean spark plug			○	
Check and clean fuel filter			○	
Remove carbon deposit from cylinder head				◎
Check and adjust valve clearance				◎
Replace fuel hose	Every three years (or as needed)			

◎: for items maked with this symbol, please consult with your CANYCOM representative.

Chassis

- Perform a pre-startup inspection (PSI) before each use, a monthly inspection once a month, and a yearly inspection once a year.

- Some maintenance procedures described in the next pages may require special knowledge or tools and instruments. Contact your CANYCOM representative to perform such procedures.

Item		Description	Schedule			Note
			PSI	Mon	Year	
Drive Train	Drive Clutch	Clutch shall not make any abnormal noise and shall disengage completely when operated at idle.		√	√	
		When engaged gradually, clutch engages smoothly without slippage.		√	√	
		Play on the clutch pedal should be adjusted properly.		√	√	Page 46
	Rod, Link or Wires	Rods, links, and wires in linkage shall be free of deformation or damage.		√	√	
		Connections shall be free of looseness, excessive play, or missing cotter pins.		√	√	
	Drive Belt	Belt tension shall be properly adjusted.		√	√	Page 44
		Belt shall be free of crack or damage.		√	√	
	Transmission	Transmission shall not jump out of gear, and there shall not be any abnormal noise or heat.	√	√	√	
		There is enough oil in the transmission and oil is clean.		√	√	page : 47
		There shall not be oil leaks in or around transmission.		√	√	
	Propeller Shaft	No abnormal noise or vibration shall be observed when engaging clutch.		√	√	
		There shall not be any crack, damage or deformation.		√	√	
Travelling Unit	Tire Wheel	Tires and wheels shall be free of crack, damage, or uneven wear.		√	√	
		Tires shall be inflated to the specified pressure, and there is enough tread left.	√	√	√	page : 44
		There shall not be any foreign objects such as metal pieces or stones jammed in the tread.	√	√	√	
		Wheel bolts shall not be loose or missing.	√	√	√	
		Wheel bearings shall not exhibit excessive play, irregular noise, or overheating.		√	√	
Brake System	Brake	Brake shall work properly	√	√	√	page : 49
		There shall be a proper amount of play.		√	√	page : 49
	Parking Brake	Parking brake shall be able to hold the machine on a 20-degree slope.		√	√	
	Rod , Link or Wires	Rods, links, and wires in linkage shall be free of deformation or damage.		√	√	
		Connections shall be free of looseness, excessive play, or missing cotter pins.		√	√	

Item		Description	Schedule			Note
			PSI	Mon	Year	
Hydraulic System	Hydraulic Package	Hydraulic fluid shall be clean and at correct level.		√	√	page : 51
		No leaks shall be found in or around hydraulic package.		√	√	
		Fastening bolts and nuts shall not be loose or missing.			√	
		Breather shall not be clogged.		√	√	
		There shall be no leaks in pipes, hoses, joints, or seals.		√	√	
		No irregular vibration, noise, or heat shall be observed when hydraulic package is in operation.		√	√	
Hydraulic System	Hydraulic Package	Amount and pressure of discharge under load shall be within the standard range specified by the manufacturer. * this may be skipped if irregular vibration, noise, or heat described above is not observed.			√	
	Plumbing	Plumbing shall be free of cracks, damage, twists, or deterioration.		√	√	
		There shall be no leaks in pipses, hoses, joints, or seals.		√	√	
		Plimbing shall be mounted properly, and fastening bolts, and nuts shall not be loose or missing.		√	√	
	Hydraulic Cylinder	Hydraulic cylinder shall work smoothly.		√	√	
		There shall be no leaks when extending and contracting cylinder.		√	√	
		Extend cylinder fully under load and hold. Stroke shall be within the range specified by manufacturer.			√	
		Cylinder tube and rod shall be free of dents, cracks, bends, or scratches.		√	√	
		Cylinder mounting pins shall be free of damage or excessive wear.		√	√	
Body, Chassis, Safety Devices	Chassis, Frame	Shall be free of cracks, deformation, or corrosion.		√	√	
		Fastening bolts or nuts shall not be loose or missing.		√	√	
	Body Panels	Shall be free of cracks, deformation, or corrosion.		√	√	
		Should be open, close, and lock properly.		√	√	
		Fastening bolts or nuts shall not be loose or missing.		√	√	
	Bed (Skip)	Should be open, close, and lock properly.		√	√	
		Shall be free of cracks, deformation, or corrosion.		√	√	
		Fastening bolts or nuts shall not be loose or missing.		√	√	
	Safety Prop	Safety prop shall not have any deformation		√	√	
	Labels	No dirt or damage on caution and instruction labels.	√	√	√	
	Lamps	Should light properly	√	√	√	Page 57
		Should be no damage and water shall not be inside the lamp.		√	√	

List of Fluids and Lubricants

Item	Schedule	Grade	Cap.
Fuel	As needed.	Automotive unleaded gasoline.	3.6L
Engine Oil	Fill Inspect daily. Fill as needed. Change Initially - After 20 hours of use. Every 50 hours afterwards.	Automotive gasoline engine oil API rating: SD or better. SAE rating: 10W-30	0.6L
Transmission Oil	Change Initially - After 50 hours of use. Every 500 hours afterwards.	Gear Oil API rating: GL-4 or 5 SAE rating: #80	2.4L
Transmission Oil (Auxiliary Transmission)	Change Initially - After 50 hours of use. Every 500 hours afterwards.	Gear Oil API rating: GL-4 or 5 SAE rating: #80	0.2L
Hydraulic Fluid	Fill Inspect every 100 hours. Fill as needed.	ISO VG32	1.6L
Battery Electrolyte	Fill Inspect every months and fill when necessary.	Distilled Water	-

Greasing Points

Part to Lubricate	Schedule	Grade	Cap.
Front Axle Center	Every 6 months No need to lubriccate for the first 6 months after purchase.	Chassis Grease	-
Front Axle Ends	Every 6 months No need to lubriccate for the first 6 months after purchase.	Chassis Grease	-
Tie-rod end	Every 6 months No need to lubriccate for the first 6 months after purchase.	Chassis Grease	-

List of Consumables and Spares

⚠CAUTION!

- **When replacing a consumable or spare, always use the CANYCOM genuine part.**

Item	Part No.	Schedule	Qty.
Engine			
Wire (Engine control)	32090302000	Replace if defective.	1
Wire (choke)	35160203000	Replace if defective.	1
Drive Train			
Tire (Front)	34072302000	Replace if defective.	2
Tire (Rear)	34076003000	Replace if defective.	2
Tube	34072303000	Replace if defective.	2
Tube	34076004000	Replace if defective.	2
V-Belt (SB34)	08521300034	Replace if defective.	2
Brake Lining	72019901000	Replace if defective.	2
Wire (Drive Clutch)	34303011000	Replace if defective.	1
Wire (Parking Brake)	34303111000	Replace if defective.	1
Wire (Clutch Pedal)	34303026000	Replace if defective.	1
Wire (Brake Pedal)	34093005000	Replace if defective.	1
Hydraulic System			
V-Belt (SB34)	08521300034	Replace if defective.	1
Electrical System			
Battery (40B19R)	37053901000	Replace if defective.	1
Fuse (20A)	09801002002	Replace if defective.	1
Light Bulb (Headlamp, 12V 23W)	09808122304	Replace if defective.	1
Light Bulb (Marker Lamp, 12V 5W)	09808120501	Replace if defective.	2
Light Bulb (Turn Signal, 12V 21W)	09808122104	Replace if defective.	4
Light Bulb (Monitor Lamp)	37240458001	Replace if defective.	1

NOTE

- **Rubber products such as the hydraulic hose deteriorate over time. Replace them every 2 years.**
- **Track wear limit: 5mm of lug height**

Removing and Installing Body Panels

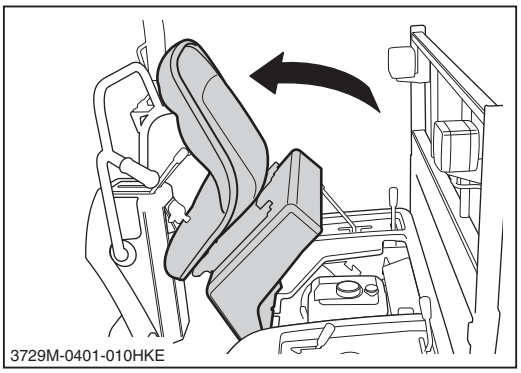
⚠WARNING!

- **Always stop the engine and remove the key when removing or installing the covers.**

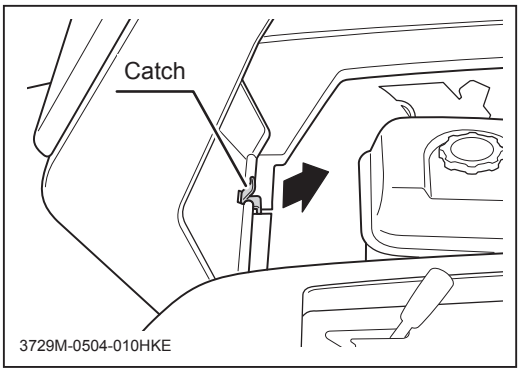
⚠CAUTION!

- **Cut or pinch hazard exists when removing or installing the body panels; beware of sharp edges and pinch points.**
- **Make certain to reinstall the panels after removing for repairs or inspection.**

Engine Cover

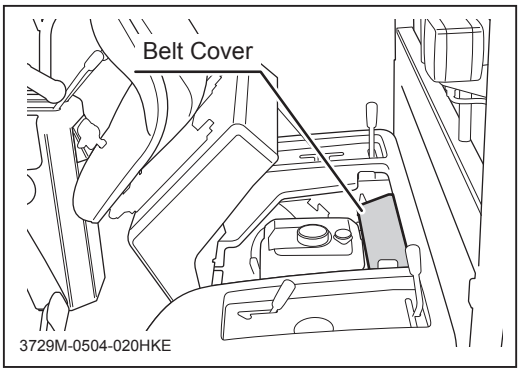


1. Open the engine cover.
2. Remove the starter knob.



3. Undo the catch to remove the engine cover.

Belt Cover

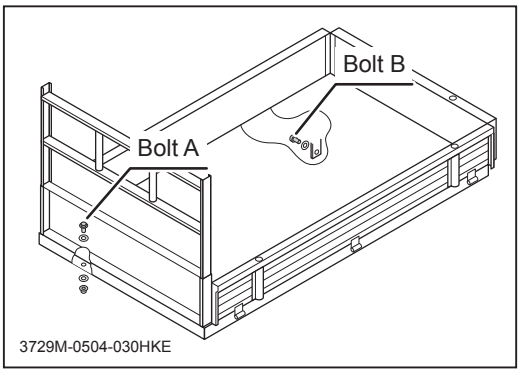


1. Open the engine cover.
2. Remove 2 bolts and remove the belt cover.

Bed (Flat Bed Model)

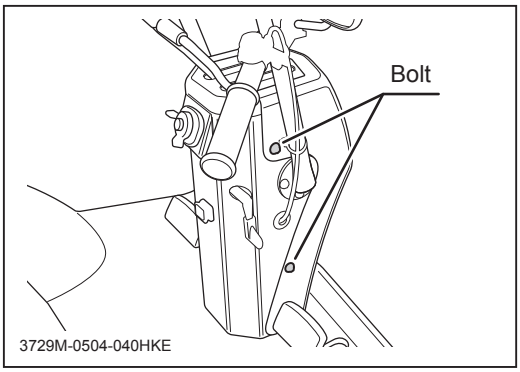
⚠WARNING!

- **If it is necessary to service under the bed (skip), raise the bed and hold it securely with steel tubes or similar object with sufficient strength.**
- **Loosen the bolts B only so that the bed can be moved. If they are too loose, the bed can fall off. Tighten these bolts firmly when service work is done.**



1. Remove 2 bolts A.
2. Loosen 2 bolts B.
3. Raise the bed and hold it securely.

Front Cover



1. Remove 4 bolts to remove the front cover.

Engine

⚠WARNING!

- **Always stop ethe ngine and remove the key before servicing.**
- **Allow the engine to cool off before servicing. The engine is very hot after operation and may pose a burn hazard.**
- **Keep fire and spark away when handling fuel.**
- **Dispose of drained oil properly.**

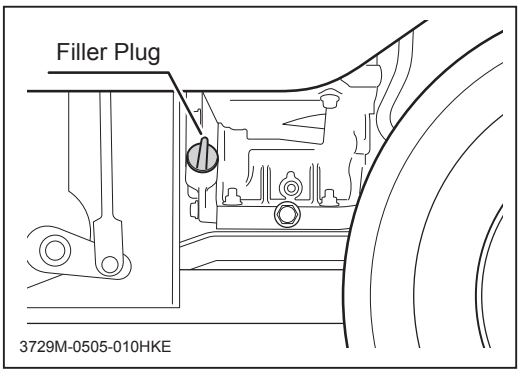
Engine Oil

⚠CAUTION!

- **Make certain to fill the engine with correct grade of oil to the specified level. Insufficient amount or wrong grade of oil reduces performance and may cause permanent damage to the engine.**

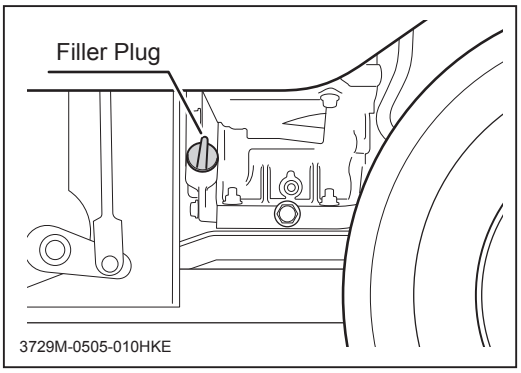
NOTE

- **To obtain correct reading, check oil level before starting, or wait about 10 minutes after stopping the engine to allow oil to drain back to oil pan. Circulating oil stays in various parts of the engine right after stopping.**
- **Always check oil level on a level ground.**
- **Recommended Oil and Quantity: see "List of Fluids and Lubricants" (page 36)**



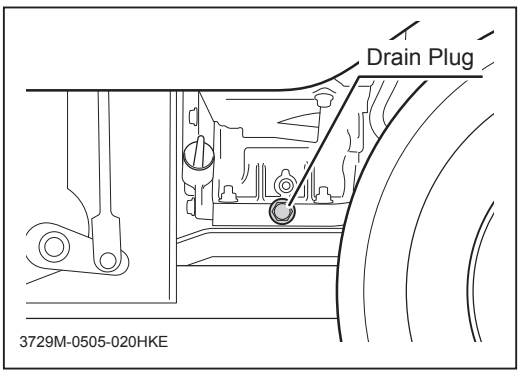
Inspecting

1. Park the machine on a level ground.
2. Remove the oil filler plug
3. Follow the instructions in **"Operator's Manual for the Engine"** to check oil.
4. Screw the oil filler plug firmly back in place.



Filling

1. Remove the oil filler plug.
2. Follow the instructions in **"Operator's Manual for the Engine"** to fill oil.
3. Screw the oil filler plug firmly back in place.



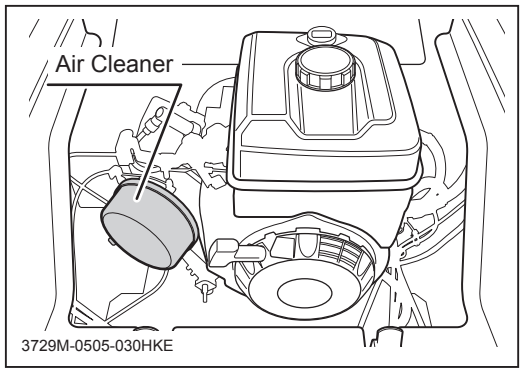
Changing

1. Have an appropriate oil drain pan.
2. Remove the oil drain plug and oilf filler plug to drain oil.
3. Reinstall the drain plug.
4. Fill oil.
5. Screw the oil filler plug firmly back in place.

Air Cleaner

⚠CAUTION!

- **Clean the air cleaner element regularly. Dirty air cleaner element reduces engine performance and life.**
- **Replace the air cleaner element if damaged.**

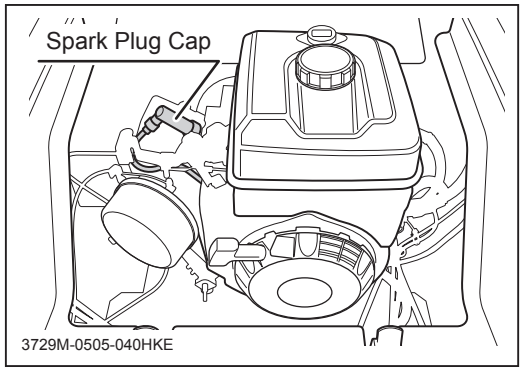


1. Open the engine cover.
2. Follow the instructions in **"Operator's Manual for the Engine"** to clean or replace air cleaner element.
3. Close the engne cover.

Spark Plug

⚠CAUTION!

- **When removing a spark plug cap, do not pull the cable; pull the plug cap. Pulling the cable can damage the conductor or the joint of the cable.**
- **Replace the spark plug if damaged.**

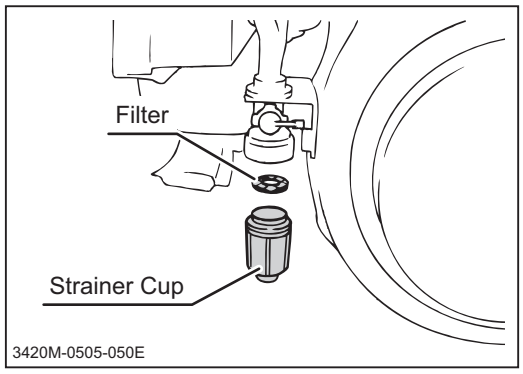


1. Open the engine cover.
2. Follow the instructions in **"Operator's Manual for the Engine"** to inspect, clean, or replace the spark plug.
3. Close the engine cover.

Fuel Filter

⚠WARNING!

- **Fuel is highly flammable. Keep fire and spark away when servicing the fuel filter.**
- **If fuel is spilt, wipe it off immediately.**
- **Dispose of waste fuel properly.**



1. Open the engine cover.
2. Follow the instructions in **"Operator's Manual for the Engine"** to clean the fuel filter.
3. Start the engine and visually inspect the fuel filter cup for leaks.
4. Close the engine cover.

Drive Train

⚠WARNING!

- **Stop the engine and remove the key when servicing the drive train.**
- **Allow the machine to cool off before servicing. The engine is very hot after operation and may pose a burn hazard.**

Tire Air Pressure

⚠CAUTION!

- **Always fill specified air pressure into the tire. Otherwise it may result in irregular wear or damage.**

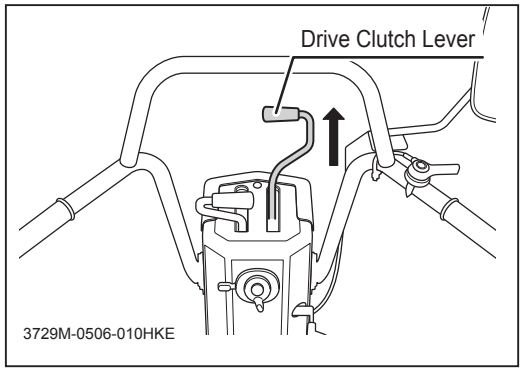
1. Park the machine on a level ground.
2. Remove the valve cap.
3. Check air pressure of the tire and adjust it within the specified range.
4. Reinstall the valve cap.

Tire Size	Pressure KPa(kgf/cm²)
HC 4.00-8 (4PR)	350(3.5)
AG 17×8.00-8 (4PR)	250(2.5)
PD 18×8.50-8 (4PR)(Option)	100(1.0)

Drive Belt

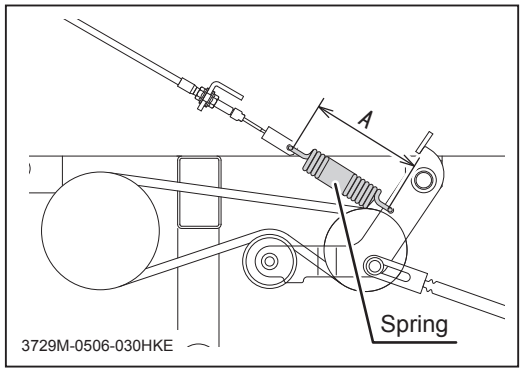
⚠CAUTION!

- **Inappropreate tension shortens belt life due to slippage.**
- **Always adjust the play of clutch pedal after adjusting belt tension.**

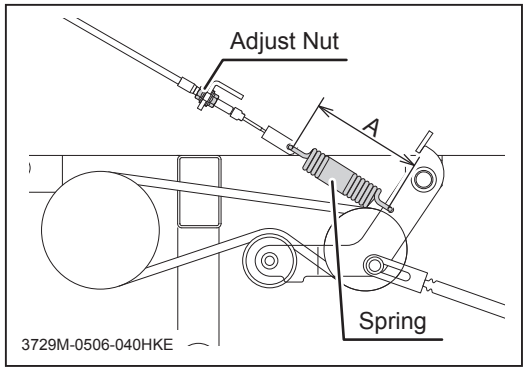


Inspecting

1. Open the engine cover.
2. Remove the belt cover.
3. Move the drive clutch lever to [ON].

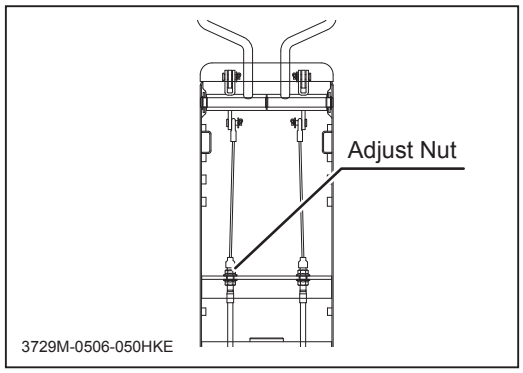


4. Check the tension of the V-belt. Check the length of the spring "A" is approximately 120 mm (the stretch of the spring is approximately 8 mm). Adjust if needed.
5. Check for damage on the V-belt. Replace if the belt is damaged. Please contact your CANYCOM representative for replacement.



Adjusting (Tension Pulley Side)

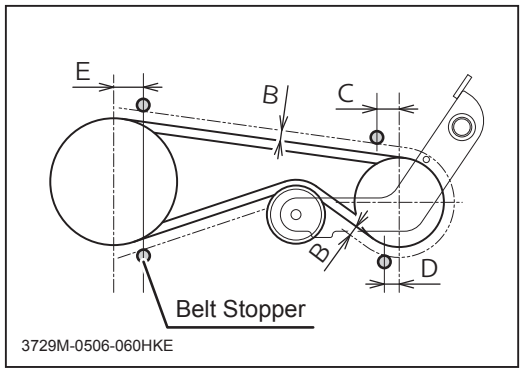
1. Raise the bed.
2. Adjust the length of the spring "A" by the adjust nut so that the length of the spring "A" is about 120 mm.



Adjusting (Lever Side)

1. Remove the front cover.
2. Adjust the length of the spring "A" by the adjust nut so that the length of the spring "A" is about 120 mm

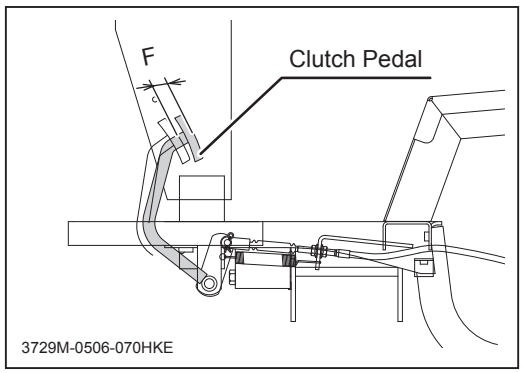
Belt Stopper



Adjusting

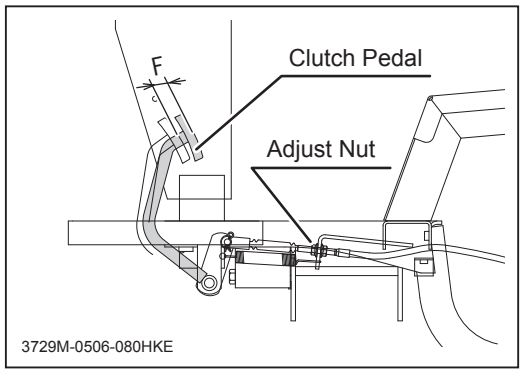
1. Open the engine cover.
2. Remove the belt cover.
3. Move the drive clutch lever to [ON].
4. Adjust so that the clearance B is about 5mm, C is about 30mm, D is about 20mm, and E is about 40mm.
5. Close the engine cover.

Clutch Pedal



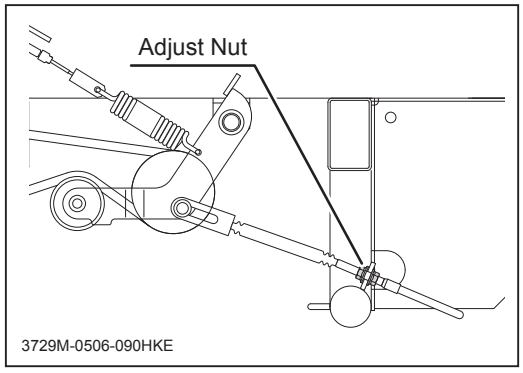
Inspecting

1. Move the drive clutch lever to [ON].
2. Check if the play F is between 15 and 25 mm. Adjust if needed



Adjusting (Pedal Side)

1. Adjust with the adjust nut so that the play D is between 15 and 25 mm.



Adjusting (Tension Pulley Side)

1. Adjust with the adjust nut so that the play F on the clutch pedal is between 15 and 25 mm.

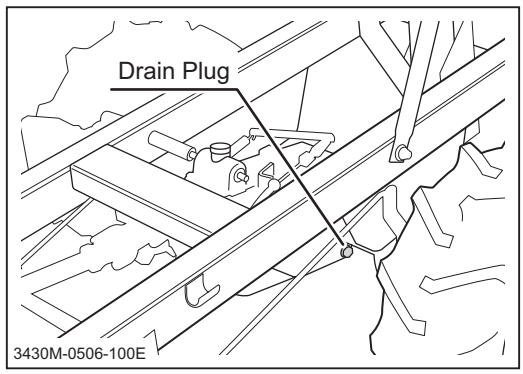
Transmission Oil

⚠CAUTION!

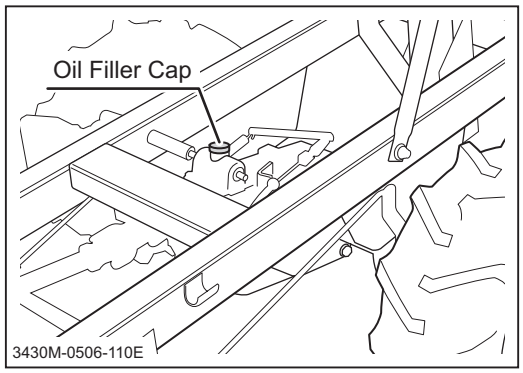
- **Dispose of drained oil properly.**

NOTE

- **Recommended Oil and Quantity: see "List of Fluids and Lubricants" (page 36)**



1. Park the machine on a level ground.
2. Raise the bed and fix it firmly.
3. Have an appropriate oil drain pan.
4. Remove the drain plug to drain oil.
5. Install the drain plug.



6. Remove the oil filler cap.
7. Fill specified oil into the oil filler.
8. Install the oil filler cap.
9. Lower the bed.

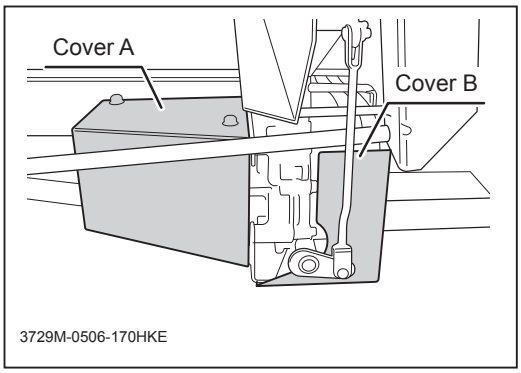
Auxiliary Transmission Oil

⚠CAUTION!

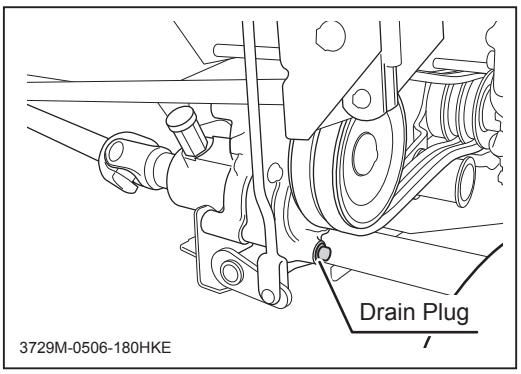
- **Dispose of drained oil properly.**

NOTE

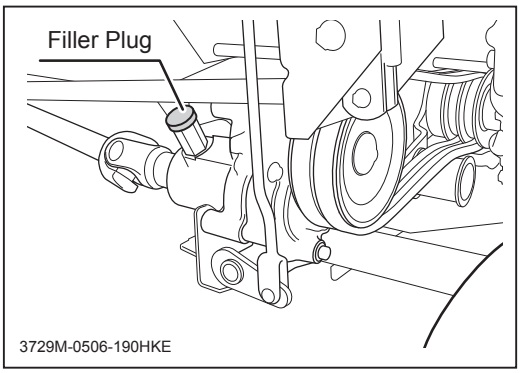
- **Recommended Oil and Quantity: see "List of Fluids and Lubricants" (page 36)**



1. Park the machine on a level ground.
2. Remove 3 bolts to remove the cover A.
3. Remove 2 bolts to remove the cover B.



4. Have an appropriate oil drain pan.
5. Remove the drain plug to drain oil.
6. Reinstall the drain plug.



7. Remove the oil filler plug.
8. Fill specified oil into the oil filler.
9. Reinstall the oil filler plug.
1-. Reinstall the covers A and B.

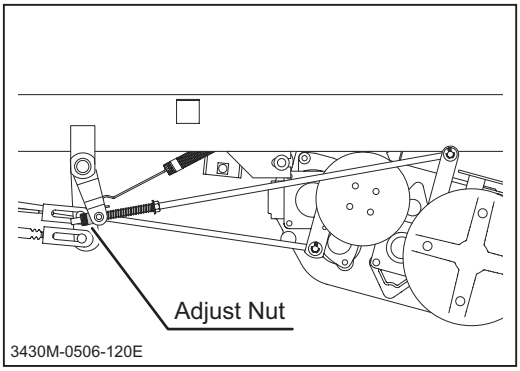
Adjusting Brake

⚠WARNING!

- **Adjust the brakes immediately when they become loose.**
- **Adjust the brakes immidiately if they do not work evenly from side to side.**
- **Always adjust both sides of wheel brakes at the same time.**

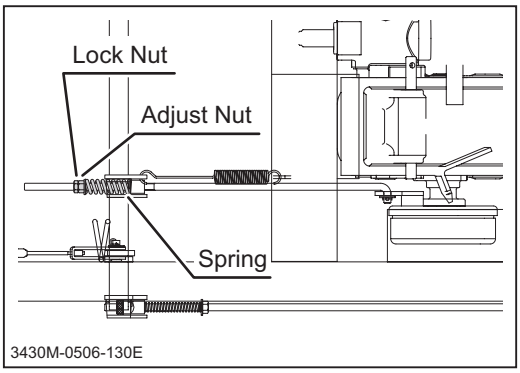
⚠CAUTION!

- **Adjust the brakes so that they do not drag when not applied.**
- **Adjust the wheel brakes, then adjust the center brake.**



Adjusting Wheel Brakes

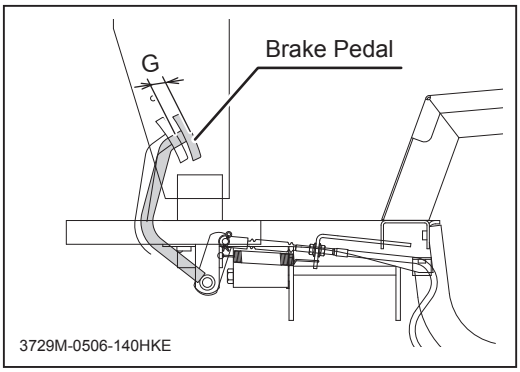
1. Tighten the adjust nut to adjust the brakes.



Adjusting Center Brake

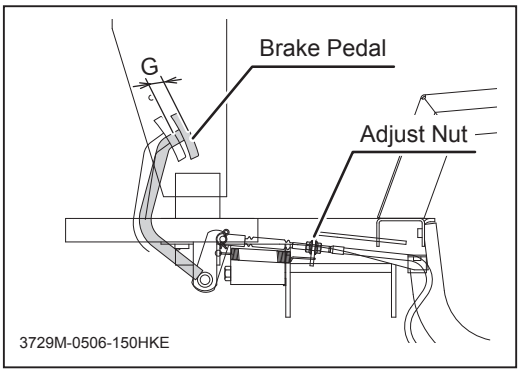
1. Raise the bed and fix it firmly.
2. Make sure the parking brake lever is [ON].
3. Loosen the lock nut.
4. Adjust with the adjust nut so that the spring is compressed by about 3 to 5 mm.
5. Tighten the lock nut.
6. Lower the bed.

Brake Pedal



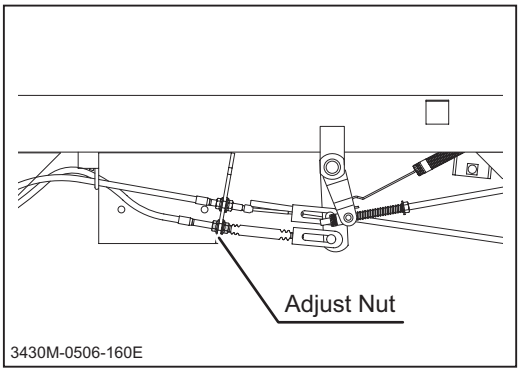
Inspecting

1. Move the parking brake lever to [OFF].
2. Check if the play G is between 5 and 10 mm. Adjust if needed



Adjusting (Pedal)

1. Adjust with the adjust nut so that the play G is between 5 and 10 mm.



Adjusting (Tension Pulley Side)

1. Adjust with the adjust nut so that the play G on the brake pedal between 5 and 10 mm.

Hydraulic System (Hydraulic Dump Model Only)

⚠WARNING!

- **Stop the engine and remove the key when servicing the drive train.**
- **Allow the machine to cool off before servicing. The engine is very hot after operation and may pose a burn hazard.**
- **Dispose of drained oil and fluids properly.**

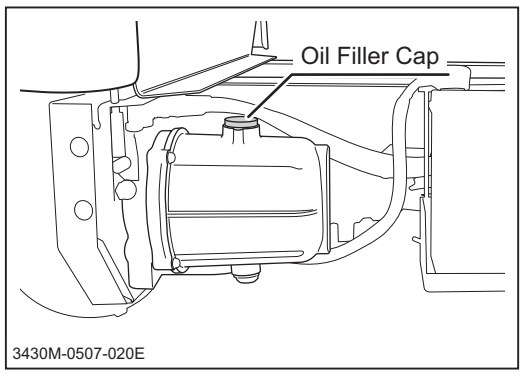
Hydraulic Package

⚠CAUTION!

- **If the oil level goes low, air can enter the hydraulic system, vastly reduces the performance of the hydraulic system and causes permanent damage to the system. Make certain to maintain oil at a proper level.**

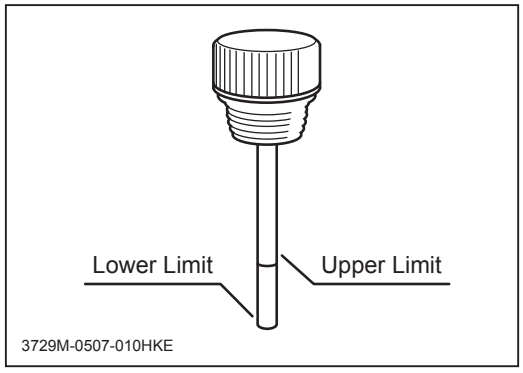
NOTE

- **To obtain a correct reading, check the hydraulic fluid level with the bed in the lowered (not lifted or dumped) position.**
- **Always check the hydraulic fluid level on a level ground.**
- **Recommended Oil and Quantity: see "List of Fluids and Lubricants" (page 36)**



Inspecting

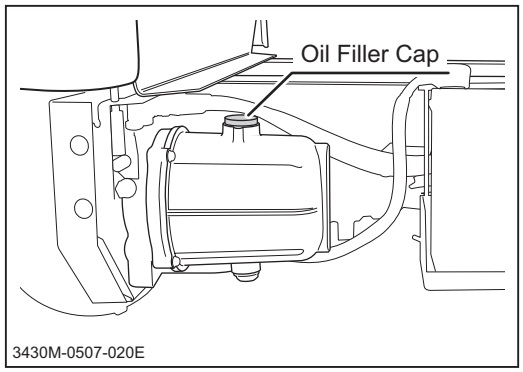
1. Park the machine on a level surface ground.
2. Remove the oil filler plug.



3. Visually check the oil level and fill oil if the oil level is lower than the lower limit.
4. Visually inspect if oil is clean and its viscosity is normal. Change oil if needed.
5. Install oil filler cap.

NOTE

- **Check oil level when loading deck is lowered otherwise oil level is inaccurate.**

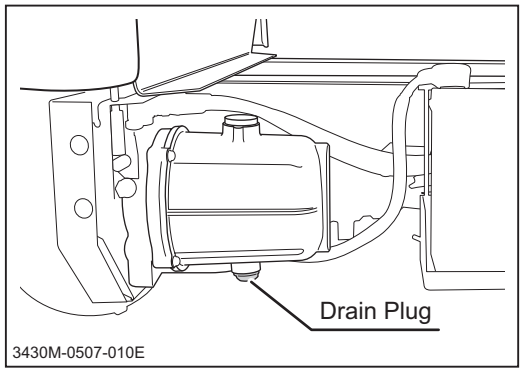


Filling

1. Remove the oil filler cap.
2. Fill specified oil into the oil filler.
3. Check the oil level and make sure the oil level is between upper and lower limits.
4. Install the oil filler cap

NOTE

- **Oil to Use : Page 36**



Changing

1. Prepare a suitable container to drain oil
2. Remove the oil drain plug to drain oil.
3. Reinstall the oil drain plug.
4. Fill specified oil and check oil level.
5. Reinstall the oil filler cap.

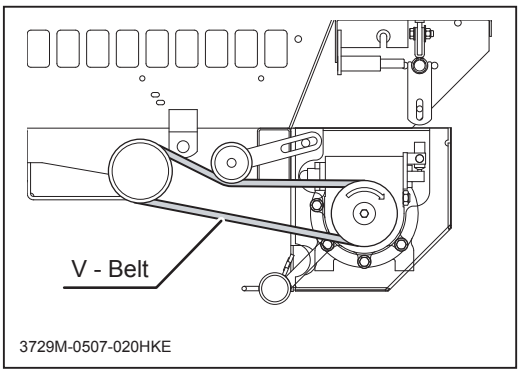
NOTE

- **Oil to Use : Page 36**
- **Oil amount : Page 36**

Hydraulics Belt

⚠CAUTION!

• Inappropreate belt tension can cause slippage and shorten belt life.



1. Open the engine cover.
2. Remove the belt cover.
3. Check for slippage of the V-Belt. If the belt slips, adjust belt tension. Please contact your CANYCOM representative for ajusting belt tension.
4. Check for a damage on the V-Belt. Replace the belt if it is damaged. Please contact your CANYCOM representative for replacement.

Electrical

⚠WARNING!

- **Always stop the engine and remove the key when servicing.**
- **Electric shock hazard. Do not touch the electrical components with wet hands.**

Battery

⚠WARNING!

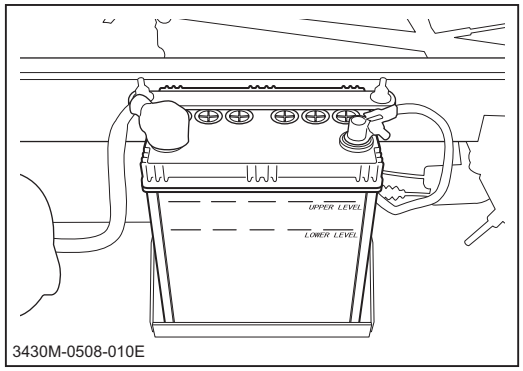
- **Electric shock hazard. Do not touch the terminals. When servicing the battery, disconnect the negative (-) terminal and avoid a short circuit.**
- **Never charge the battery when the fluid level is below "lower level" line. Charging the battery with insufficient fluid may shorten battery life or cause an explosion.**
- **Battery fluid (diluted sulfic acid) is corrosive and causes severe burns. Be extremeley cautious when handling battery fluid. If battery fluid is spilt on clothes, immediately rinse with plenty of water. If spilt on skin or in an eye, immediately rinse with plenty of water and promptly consult a physician.**
- **Explosion hazard. Keep open flame or spark away from the battery. Hydrogen gas generated during charging is extremely explosive.**
- **Always remove the battery from the machine before charging. Failure to do so causes damage to the electrical components and wiring.**
- **Use damp cloth to clean the battery. Dry cloth may generate static electricity, which may cause explosion.**

⚠CAUTION!

- **Do not overfill beyond "UPPER LEVEL" when refilling battery fluid. Battery fluid can leak and damage paintwork and corrode components.**

⚠CAUTION!

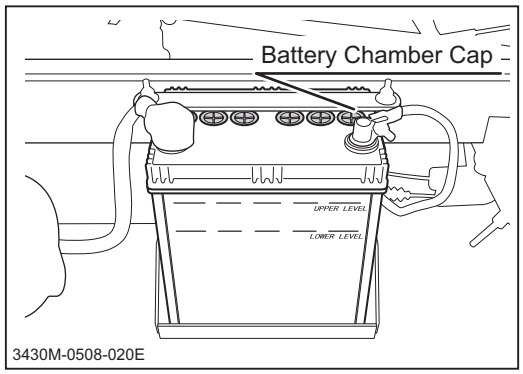
- **Follow the battery charger user's manual when charging.**
- **Always remove the negative (-) terminal first when removing, and install the positive (+) terminal first when installing. Short-circuit may occur if a tool contacts between the (+) positive terminal and the machine body.**
- **When installing the battery, make sure the polarity of the terminal matches that of the wire. Make sure the terminals are connected firmly so that the wiring does not contact with its surrounding components.**



3430M-0508-010E

Inspecting

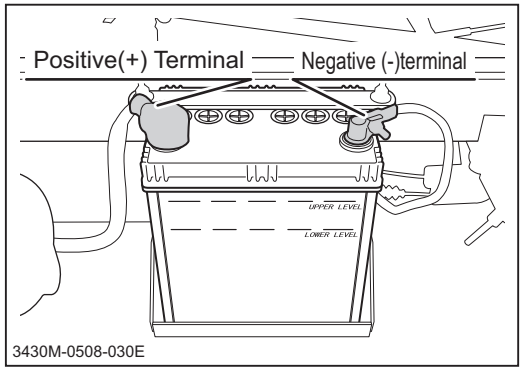
1. Park the machine on a level surface ground.
2. Check fluid level and make sure fluid level is between "UPPER LEVEL" (hereinafter L.L) and "LOWER LEVEL"(hereinafter L.L).
3. Refill battery fluid if fluid level is under middle of "U.L" and "L.L".



3430M-0508-020E

Filling

1. Remove the battery chamber caps.
2. Refill distillated water up to "U.L"
3. Install the battery chamber caps.



3430M-0508-030E

Charging

1. Park the machine on a level surface ground.
2. Remove the negative(-) terminal of the battery. Then, remove the positive(+) terminal of the battery.
3. Remove the battery.

4. Follow the battery charger user's manual when charging.
5. Install the battery on the machine after charging.

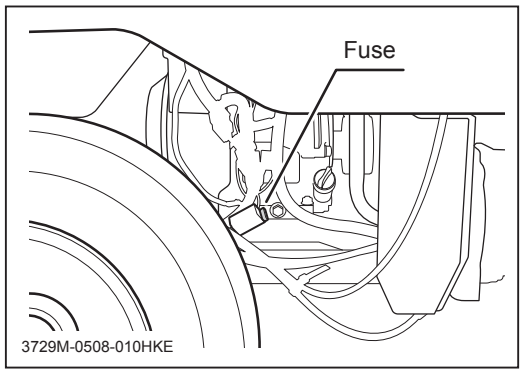
Fuse

⚠CAUTION!

- If a fuse blows, investigate the cause before replacing.
- Always replace a fuse with one of the correct rating.

NOTE

• Replacement Fuse: see "List of Consumables and Spares" on page 37.



1. Remove a blown fuse.
2. Install a new fuse.

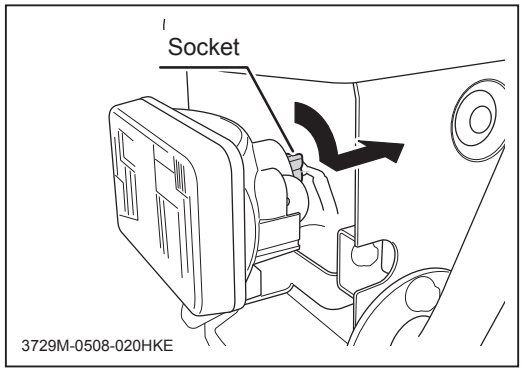
Light Bulb

⚠CAUTION!

- **Replace the light bulb immidiately if a light bulb burns out.**
- **Use a specified light bulb. A wrong bulb will damage other electric components.**
- **Do not touch the light bulb with bare hands. It may shorten the life of the bulb.**

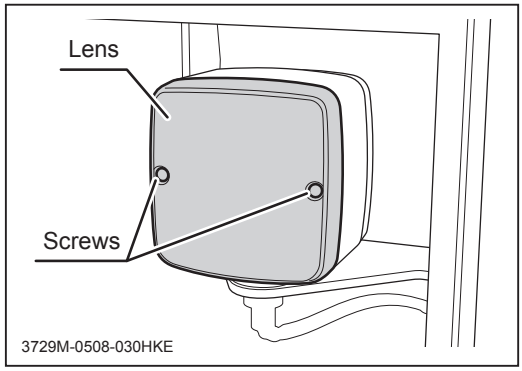
NOTE

- **Light bulb to use : see "List of Consumables and Spares" on page 37.**



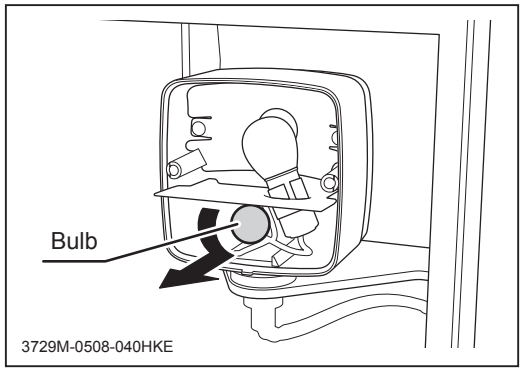
Headlamp

1. Remove the front cover.
2. Remove the socket from the light unit.
3. Replace the light bulb with a new one.
4. Install the socket onto the light unit.
5. Install the front cover.

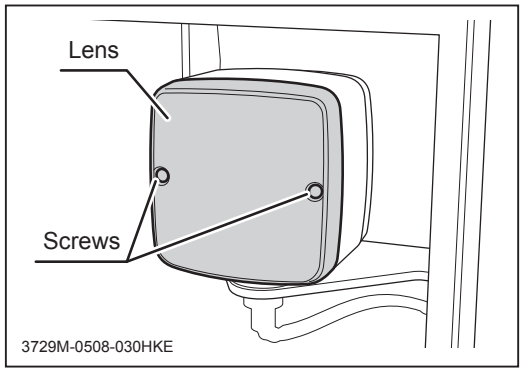


Marker Lamp

1. Remove 2 screws to remove the lens.

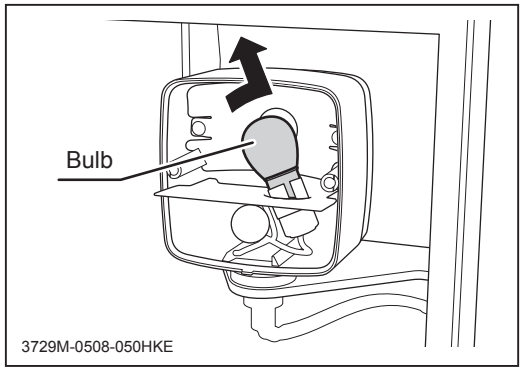


2. Replace the light bulb with new one.
3. Install the lens.

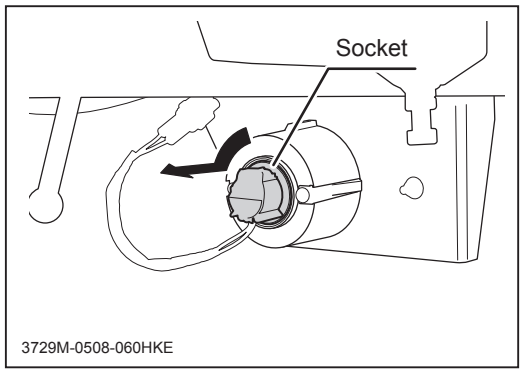


Turn Signal (Front)

1. Remove 2 screws to remove the lens.



2. Replace the light bulb with new one.
3. Install the lens.



Turn Signal (Rear)

1. Remove the socket.
2. Replace the light bulb with new one.
3. Install the socket.

After Use Care

⚠CAUTION!

- **Do not wash the engine, control panel, electrical parts, or tank caps with air breather with running water; water may enter inside and cause rust or damage.**
- **Clean the machine after use; leaving dirt or foreign objects may cause damage.**
- **Do not attempt to move the machine when it becomes inoperable due to freezing.**

After Normal Use

1. Clean the machine; wash off dirt, mud, and other foreign matter after use.
2. If the machine is to be parked outside, cover the machine with a protective, water-proof covering after the machine cools off.

After Cold Weather Use

1. Clean the machine; wash off dirt, mud, and other foreign matter after use.
2. Park the machine on a paved or firm, dry surface.
3. If the machine is to be parked outside, cover the machine with a protective, water-proof covering after it cools off.

Storage

⚠WARNING!

- **Fire hazard; do not store the machine where there is a possiblity of ignition.**

⚠CAUTION!

- **Do not wash the engine or control panel with running water; water may enter inside and cause rust or damage.**
- **Clean the machine before storage; leaving dirt or foreign objects may cause rust or damage.**
- **Do not store the machine in a humid, dusty, or hot place.**

1. Follow the instructions in **"Parking"** (page 28) to park the machine.
2. Clean dirt off of the machine.
3. Follow the instructions in "**Operator's Manual for the Engine"** to prepare the engine for storage.
4. Remove the battery from the machine (electric start model).
5. Cover the machine with a protective, water-proof covering after the machine cools off.

NOTE

- **Battery dischages even when it is not in use. A battery may hold charge for a few months, but it is a good practice to charge the battery before it goes flat; it will extend the battery life.**
- **Refer to "Operator's Manual for the Engine", for detailed instructions on preparing the engine for storage.**

Troubleshooting

- **If any malfunction or abnormal condition is found, immediately stop using the machine and take an appropriate measure according to the Troubleshooting chart below. If the malfunction or abnormal condition is not listed in the chart, or the suggested measure does not solve the problem, consult with your CANYCOM representative.**

- **Some corrective measures listed below require special knowledge and/or equipment. Please contact your CANYCOM representative in such a case.**

Area	Malfunction	Possible Cause	Corrective Measure	Ref.
Engine	Engine does not start, or is difficult to start	Out of fuel.	→Fill fuel	Page 15
		Engine is flooded (too much fuel fed into the engine)	→Wait and restart	
		Battery capacity is low	→Refill battery fluid →Charge battery →Replace battery	Page 54 Page 54
		Battery terminal is disconnected or wiring is cut off	→Connect terminal or repair wiring	
		Insufficient or wrong oil	→Refill or change	Page 40
		Poor ignition due to a problem with spark plug	→Clean or replace spark plug.	Page 42
		Other (other than the above)	→Follow the instructions in **"Starting"**to restart. If problem persists, please contact your CANYCOM representative.	Page 17
	Engine stalls	Out of fuel	→Fill fuel	Page 15
		Fuel cock is closed	→Open fuel cock	
		Choke knob is pulled out	→Push choke knob back in	
	Engine stops abruptly	Out of fuel	→Fill fuel	Page 15
		Other (other than the above)	→Please contact your CANYCOM representative	
	Irregular idling	Air cleaner element is clogged	→Clean up	Page 42
		Other (other than the above)	→Please contact your CANYCOM representative	

Area	Malfunction	Possible Cause	Corrective Measure	Ref.
Engine	Poor power or acceleration	Bad fuel	→Change fuel	
		Insufficient intake air (clogged air cleaner)	→Clean or replace air cleaner element	Page 42
		Loose drive belt	→Adjust drive belt	Page 44
		Excessive load	→Reduce load	
		Other (other than the above)	→Please contact your CANYCOM representative	
	Irregular noise or vibration from or around the engine		→Please contact your CANYCOM representative	
	Excessive oil consumption		→Please contact your CANYCOM representative	
	Engine overheats	Insufficient amount of engine oil.	→Fill oil	Page 40
	Excessive Fuel consumption	Insufficient intake air (clogged air cleaner)	→Clean or replace air cleaner element	Page 42
		Other (other than the above)	→Please contact your CANYCOM representative	
	Black smoke comes out of exhaust	Choke knob is pulled out	→Push choke knob back in	
		Air cleaner element is clogged	→Clean up or replace	Page 42
		Other (other than the above)	→Please contact your CANYCOM representative	
	White or blue smoke comes out of exhaust	Bad fuel	→Change fuel	
		Excessive amount of engine oil	→Inspect and adjust amount of oil	Page 40
		Wrong viscosity oil	→Change oil	Page 40
		Other (other than the above)	→Please contact your CANYCOM representative	
	Throttle Lever is catching		→Please contact your CANYCOM representative	

Area	Malfunction	Possible Cause	Corrective Measure	Ref.
Drive Train	Machine does not move when clutch is engaged.	Transmission is not positively in the gear.	→Shift firmly.	
		Parking brake is applied	→Release the parking brake.	
		Drive belt came off or too loose	→Adjust drive belt	
		Other (other than the above).	→Follow instructions in **"Driving"** to restart. If problem persists, please contact your CANYCOM representative.	Page: 20
	Clutch does not disengage properly	Improperly adjusted drive belt.	→Adjust drive belt	Page: 44
	Belt slips when clutch is engaged	Loose drive belt.	→Adjust drive belt	Page: 44
	Gear jumps off	Transmission is not positively in the gear.	→Shift firmly.	
		Excessive load	→Reduce load	
		Other (other than the above).	→Please contact your CANYCOM representative	
	Too much play on clutch pedal	Maladjustment	→Adjust properly	Page: 46
	Machine can not turn smoothly	Maladjustment of air pressure of tire	→Adjust properly	
		Other (other than the above).	→Please contact your CANYCOM representative	
Brake System	Brake does not work well or work unevenly	Improperly adjusted brake.	→Adjust brake.	Page: 49
		Brake is wet with water.	→Apply brake a few times to dry.	
		Excessive load	→Reduce load.	
		Other (other than the above).	→Please contact your CANYCOM representative	
	Too much play on brake pedal	Maladjustment	→Adjust properly	Page: 49

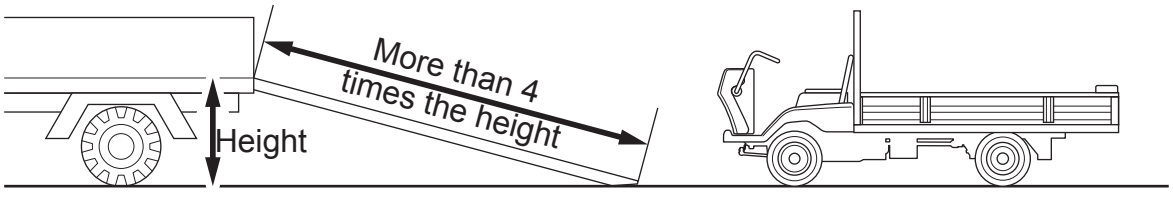
Area	Malfunction	Possible Cause	Corrective Measure	Ref.
Hydraulic System	Dump does not work.	Insufficient or deteriorated hydraulic fluid.	→Add or change fluid.	Page 51
		Other (other than the above).	→Please contact your CANYCOM representative.	
Body	Rear gate does not open properly	Improperly adjusted lock device	→Adjust properly	
Electric Components	Light does not work properly	Light bulb is out	→Replace light bulb	Page: 57
		Other (other than the above).	→Please contact your CANYCOM representative	

Hauling

Loading and Unloading

⚠WARNING!

- **Park the transporter (truck) on a level ground. Always use chocks to secure the wheels.**
- **Do not allow bystandars to come close to the machine or transporter when loading or unloading the machine.**
- **Use only the loading ramps with sufficient strength (to withstand the combined weight of the machine and operator), width (more than 2 times the width of the tire), and length (more than 4 times the height of the bed of the transporter), and have an anti-slip ramp surface.**
- **Secure the hooks of loading ramps firmly and flush with the bed of the transporter.**
- **Move slowly forward when loading onto, and move slowly backward when unloading off of the transporter. Pay special care when going over the joint between the bed and ramps; the machine may tip.**
- **Do not turn on loading ramps. The machine may fall.**
- **Tie down the machine securely. Make sure the machine does not move around on the bed.**



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1. Park the transporter on a level ground. Secure the wheels with chocks.
2. Place loading ramps. Secure the hooks of ramps firmly and flush with the bed of the transporter.

3. Drive the machine slowly forward onto the bed.
4. Park the machine according to the instructions in **"Parking"** (page 28). Secure the machine firmly to the bed of the transporter with tie-down belts, rope, or wire.